

## **00-00-00 PROCUREMENT AND CONTRACTING REQUIREMENTS**

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02-32-19	Exploratory Excavations
02-32-23	Geotechnical Monitoring Before Construction
<b>02-40-00</b>	<b>Demolition And Structure Moving</b>
<b>02-41-00</b>	<b>Demolition</b>
02-41-13	Selective Site Demolition
02-41-16	Structure Demolition
02-41-19	Selective Structure Demolition
02-41-91	Selective Historic Demolition
<b>02-42-00</b>	<b>Removal And Salvage Of Construction Materials</b>
02-42-91	Removal And Salvage Of Historic Construction Materials
<b>02-43-00</b>	<b>Structure Moving</b>
02-43-13	Structure Relocation
02-43-16	Structure Raising
<b>02-50-00</b>	<b>Site Remediation</b>
<b>02-51-00</b>	<b>Physical Decontamination</b>
02-51-13	Coagulation And Flocculation Decontamination
02-51-16	Reverse-Osmosis Decontamination
02-51-19	Solidification And Stabilization Decontamination
02-51-23	Mechanical Filtration Decontamination
02-51-26	Radioactive Decontamination
02-51-29	Surface Cleaning Decontamination
02-51-33	Surface Removal Decontamination
<b>02-52-00</b>	<b>Chemical Decontamination</b>
02-52-13	Chemical Precipitation Decontamination
02-52-16	Ion Change Decontamination
02-52-19	Neutralization Decontamination
<b>02-53-00</b>	<b>Thermal Decontamination</b>
02-53-13	Incineration Decontamination
02-53-16	Thermal Desorption Decontamination
02-53-19	Vitrification Decontamination
<b>02-54-00</b>	<b>Biological Decontamination</b>
02-54-13	Aerobic Processes Decontamination
02-54-16	Anaerobic Processes Decontamination

02-54-19	Bioremediation Decontamination
02-54-23	Soil Washing Through Separation/Solubilization
02-54-26	Organic Decontamination
<b>02-55-00</b>	<b>Remediation Soil Stabilization</b>
<b>02-56-00</b>	<b>Site Containment</b>
02-56-13	Waste Containment
02-56-19	Gas Containment
<b>02-57-00</b>	<b>Sinkhole Remediation</b>
02-57-13	Sinkhole Remediation By Grouting
02-57-16	Sinkhole Remediation By Backfilling
<b>02-58-00</b>	<b>Snow Control</b>
02-58-13	Snow Fencing
02-58-16	Snow Avalanche Control
<b>02-60-00</b>	<b>Contaminated Site Material Removal</b>
<b>02-61-00</b>	<b>Removal And Disposal Of Contaminated Soils</b>
02-61-13	Excavation And Handling Of Contaminated Material
02-61-23	Removal And Disposal Of Polychlorinate Biphenyl Contaminated Soils
02-61-26	Removal And Disposal Of Asbestos Contaminated Soils
02-61-29	Removal And Disposal Of Organically Contaminated Soils
<b>02-62-00</b>	<b>Hazardous Waste Recovery Processes</b>
02-62-13	Air And Steam Stripping
02-62-16	Soil Vapor Extraction
02-62-19	Soil Washing And Flushing
<b>02-65-00</b>	<b>Underground Storage Tank Removal</b>
02-66-00	Landfill Construction And Storage
<b>02-70-00</b>	<b>Water Remediation</b>
<b>02-71-00</b>	<b>Groundwater Treatment</b>
<b>02-72-00</b>	<b>Water Decontamination</b>
02-72-13	Chemical Water Decontamination
02-72-16	Biological Water Decontamination
02-72-19	Electrolysis Water Decontamination
<b>02-80-00</b>	<b>Facility Remediation</b>
<b>02-81-00</b>	<b>Transportation And Disposal Of Hazardous Materials</b>
<b>02-82-00</b>	<b>Asbestos Remediation</b>
02-82-13	Asbestos Abatement
02-82-16	Engineering Control Of Asbestos Containing Materials
02-82-33	Removal And Disposal Of Asbestos Containing Materials
<b>02-83-00</b>	<b>Lead Remediation</b>
02-83-13	Lead Hazard Control Activities

02-83-19	Lead-Based Paint Remediation
02-83-33	Removal And Disposal Of Material Containing Lead
<b>02-84-00</b>	<b>Polychlorinate Biphenyl Remediation</b>
02-84-16	Handling Of Lighting Ballasts And Lamps Containing PCBs And Mercury
02-84-33	Removal And Disposal Of Polychlorinate Biphenyls
<b>02-85-00</b>	<b>Mold Remediation</b>
02-85-13	Precautions For Mold Remediation
02-85-16	Mold Remediation Preparation And Containment
02-85-19	Mold Remediation Clearance Air Sampling
02-85-33	Removal And Disposal Of Materials With Mold
<b>02-86-00</b>	<b>Hazardous Waste Drum Handling</b>
<b>02-90-00</b>	<b>Unassigned</b>

## **03-00-00 CONCRETE**

03-00-01	General Requirements -- Subcontractors
<b>03-01-00</b>	<b>Maintenance Of Concrete</b>
03-01-10	Maintenance Of Concrete Forming And Accessories
03-01-20	Maintenance Of Concrete Reinforcing
03-01-23	Maintenance Of Stressing Tendons
03-01-30	Maintenance Of Cast-In-Place Concrete
03-01-40	Maintenance Of Precast Concrete
03-01-50	Maintenance Of Cast Decks And Underlayment
03-01-60	Maintenance Of Grouting
03-01-70	Maintenance Of Mass Concrete
03-01-80	Maintenance Of Concrete Cutting And Boring
<b>03-05-00</b>	<b>Common Work Results For Concrete</b>
<b>03-06-00</b>	<b>Schedules For Concrete</b>
03-06-10	Schedules For Concrete Forming And Accessories
03-06-20	Schedules For Concrete Reinforcing
03-06-30	Schedules For Cast-In-Place Concrete
03-06-40	Schedules For Precast Concrete
03-06-50	Schedules For Cast Decks And Underlayment
03-06-60	Schedules For Grouting
03-06-70	Schedules For Mass Concrete
03-06-80	Schedules For Concrete Cutting And Boring
03-08-00	Commissioning Of Concrete
<b>03-10-00</b>	<b>Concrete Forming And Accessories</b>
<b>03-11-00</b>	<b>Concrete Forming</b>
03-11-13	Structural Cast-In-Place Concrete Forming



03-11-16	Architectural Cast-In Place Concrete Forming
03-11-19	Insulating Concrete Forming
03-11-23	Permanent Stair Forming
<b>03-15-00</b>	<b>Concrete Accessories</b>
03-15-13	Waterstops
<b>03-20-00</b>	<b>Concrete Reinforcing</b>
<b>03-21-00</b>	<b>Reinforcing Steel</b>
03-21-13	Galvanized Reinforcing Steel
03-21-16	Epoxy-Coated Reinforcing Steel
<b>03-22-00</b>	<b>Welded Wire Fabric Reinforcing</b>
03-22-13	Galvanized Welded Wire Fabric Reinforcing
03-22-16	Epoxy-Coated Welded Wire Fabric Reinforcing
<b>03-23-00</b>	<b>Stressing Tendons</b>
<b>03-24-00</b>	<b>Fibrous Reinforcing</b>
<b>03-30-00</b>	<b>Cast-In-Place Concrete</b>
03-30-53	Miscellaneous Cast-In-Place Concrete
<b>03-31-00</b>	<b>Structural Concrete</b>
03-31-13	Heavyweight Structural Concrete
03-31-16	Lightweight Structural Concrete
03-31-19	Shrinkage-Compensating Structural Concrete
03-31-23	High-Performance Structural Concrete
03-31-26	Self-Compacting Concrete
<b>03-33-00</b>	<b>Architectural Concrete</b>
03-33-13	Heavyweight Architectural Concrete
03-33-16	Lightweight Architectural Concrete
<b>03-34-00</b>	<b>Low Density Concrete</b>
<b>03-35-00</b>	<b>Concrete Finishing</b>
03-35-13	High-Tolerance Concrete Floor Finishing
03-35-16	Heavy-Duty Concrete Floor Finishing
03-35-19	Colored Concrete Finishing
03-35-23	Exposed Aggregate Concrete Finishing
03-35-26	Grooved Concrete Surface Finishing
03-35-29	Tooled Concrete Finishing
03-35-33	Stamped Concrete Finishing
<b>03-37-00</b>	<b>Specialty Placed Concrete</b>
03-37-13	Shotcrete
03-37-16	Pumped Concrete
03-37-19	Pneumatically Placed Concrete
03-37-23	Roller-Compacted Concrete

03-37-26	Underwater Placed Concrete
<b>03-38-00</b>	<b>Post-Tensioned Concrete</b>
03-38-13	Post-Tensioned Concrete Preparation
03-38-16	Unbonded Post-Tensioned Concrete
03-38-19	Bonded Post-Tensioned Concrete
<b>03-39-00</b>	<b>Concrete Curing</b>
03-39-13	Water Concrete Curing
03-39-16	Sand Concrete Curing
03-39-23	Membrane Concrete Curing
<b>03-40-00</b>	<b>Precast Concrete</b>
<b>03-41-00</b>	<b>Precast Structural Concrete</b>
03-41-13	Precast Concrete Hollow Core Planks
03-41-16	Precast Concrete Slabs
03-41-23	Precast Concrete Stairs
03-41-33	Precast Structural Pretensioned Concrete
03-41-36	Precast Structural Post-Tensioned Concrete
<b>03-45-00</b>	<b>Precast Architectural Concrete</b>
03-45-13	Faced Architectural Precast Concrete
03-45-33	Precast Architectural Pretensioned Concrete
03-45-36	Precast Architectural Post-Tensioned Concrete
<b>03-47-00</b>	<b>Site-Cast Concrete</b>
03-47-13	Tilt-Up Concrete
03-47-16	Lift-Slab Concrete
<b>03-48-00</b>	<b>Precast Concrete Specialties</b>
03-48-13	Precast Concrete Bollards
03-48-16	Precast Concrete Splash Blocks
03-48-19	Precast Concrete Stair Treads
03-48-43	Precast Concrete Trim
<b>03-49-00</b>	<b>Glass-Fiber -Reinforced Concrete</b>
03-49-13	Glass-Fiber-Reinforced Concrete Column Covers
03-49-16	Glass-Fiber-Reinforced Concrete Spandrels
03-49-43	Glass-Fiber-Reinforced Concrete Trim
<b>03-50-00</b>	<b>Cast Decks And Underlayment</b>
<b>03-51-00</b>	<b>Cast Roof Decks</b>
03-51-13	Cementitious Wood Fiber Decks
03-51-16	Gypsum Concrete Roof Decks
<b>03-52-00</b>	<b>Lightweight Concrete Roof Insulation</b>
03-52-13	Composite Concrete Roof Insulation
03-52-16	Lightweight Insulating Concrete

<b>03-53-00</b>	<b>Concrete Topping</b>
03-53-13	Emery-Aggregate Concrete Topping
03-53-16	Iron-Aggregate Concrete Topping
<b>03-54-00</b>	<b>Cast Underlayment</b>
03-54-13	Gypsum Cement Underlayment
03-54-16	Hydraulic Cement Underlayment
<b>03-60-00</b>	<b>Grouting</b>
<b>03-61-00</b>	<b>Cementitious Grouting</b>
03-61-13	Dry-Pack Grouting
<b>03-62-00</b>	<b>Non-Shrink Grouting</b>
03-62-13	Non-Metallic Non-Shrink Grouting
03-62-16	Metallic Non-Shrink Grouting
<b>03-63-00</b>	<b>Epoxy Grouting</b>
<b>03-64-00</b>	<b>Injection Grouting</b>
03-64-23	Epoxy Injection Grouting
<b>03-70-00</b>	<b>Mass Concrete</b>
<b>03-71-00</b>	<b>Mass Concrete For Raft Foundations</b>
<b>03-72-00</b>	<b>Mass Concrete For Dams</b>
<b>03-80-00</b>	<b>Concrete Cutting And Boring</b>
<b>03-81-00</b>	<b>Concrete Cutting</b>
03-81-13	Flat Concrete Sawing
03-81-16	Track Mounted Concrete Wall Sawing
03-81-19	Wire Concrete Wall Sawing
03-81-23	Hand Concrete Wall Sawing
03-81-26	Chain Concrete Wall Sawing
<b>03-82-00</b>	<b>Concrete Boring</b>
03-82-13	Concrete Core Drilling
<b>03-90-00</b>	<b>Unassigned</b>

## **04-00-00 MASONRY**

04-00-10	Masonry -- Subcontractors
<b>04-01-00</b>	<b>Maintenance Of Masonry</b>
04-01-20	Maintenance Of Unit Masonry
04-01-40	Maintenance Of Stone Assemblies
04-01-50	Maintenance Of Refractory Masonry
04-01-60	Maintenance Of Corrosion-Resistant Masonry
04-01-70	Maintenance Of Manufactured Masonry
<b>04-05-00</b>	<b>Common Work Results For Masonry</b>
04-05-13	Masonry Mortaring

04-05-16	Masonry Grouting
04-05-19	Masonry Anchorage And Reinforcing
04-05-23	Masonry Accessories
<b>04-06-00</b>	<b>Schedules For Masonry</b>
04-06-20	Schedules For Unit Masonry
04-06-40	Schedules For Stone Assemblies
04-06-50	Schedules For Refractory Masonry
04-06-60	Schedules For Corrosion-Resistant Masonry
04-06-70	Schedules For Manufactured Masonry
<b>04-08-00</b>	<b>Commissioning Of Masonry</b>
<b>04-10-00</b>	<b>Unassigned</b>
<b>04-20-00</b>	<b>Unit Masonry</b>
<b>04-21-00</b>	<b>Clay Unit Masonry</b>
04-21-13	Brick Masonry
04-21-16	Ceramic Glazed Clay Masonry
04-21-19	Clay Tile Masonry
04-21-23	Structural Clay Tile Masonry
04-21-26	Glazed Structural Clay Tile Masonry
04-21-29	Terra Cotta Masonry
<b>04-22-00</b>	<b>Concrete Unit Masonry</b>
04-22-19	Insulated Concrete Unit Masonry
04-22-23	Architectural Concrete Unit Masonry
04-22-33	Interlocking Concrete Unit Masonry
<b>04-23-00</b>	<b>Glass Unit Masonry</b>
04-23-13	Vertical Glass Unit Masonry
04-23-16	Glass Unit Masonry Floors
04-23-19	Glass Unit Masonry Skylights
<b>04-24-00</b>	<b>Adobe Unit Masonry</b>
04-24-13	Site -Cast Adobe Unit Masonry
04-24-16	Manufactured Adobe Unit Masonry
<b>04-25-00</b>	<b>Unit Masonry Panels</b>
04-25-13	Metal -Supported Unit Masonry Panels
<b>04-27-00</b>	<b>Multiple-Wythe Unit Masonry</b>
04-27-13	Composite Unit Masonry
04-27-23	Cavity Wall Unit Masonry
<b>04-28-00</b>	<b>Concrete Form Masonry Units</b>
04-28-13	Dry-Stacked, Concrete -Filled Masonry Units
04-28-23	Mortar-Set, Concrete -Filled Masonry Units
<b>04-30-00</b>	<b>Unassigned</b>

<b>04-40-00</b>	<b>Stone Assemblies</b>
<b>04-41-00</b>	<b>Dry-Placed Stone</b>
<b>04-42-00</b>	<b>Exterior Stone Cladding</b>
04-42-13	Masonry-Supported Stone Cladding
04-42-16	Steel-Stud-Supported Stone Cladding
04-42-19	Strongback-Frame-Supported Stone Cladding
04-42-23	Truss-Supported Stone Cladding
04-42-26	Grid-System -Supported Stone Cladding
04-42-43	Stone Panels For Curtain Walls
<b>04-43-00</b>	<b>Stone Masonry</b>
<b>04-50-00</b>	<b>Refractory Masonry</b>
<b>04-51-00</b>	<b>Flue Liner Masonry</b>
<b>04-52-00</b>	<b>Combustion Chamber Masonry</b>
<b>04-53-00</b>	<b>Castable Refractory Masonry</b>
<b>04-54-00</b>	<b>Refractory Brick Masonry</b>
<b>04-57-00</b>	<b>Masonry Fireplaces</b>
<b>04-60-00</b>	<b>Corrosion-Resistant Masonry</b>
<b>04-61-00</b>	<b>Chemical -Resistant Brick Masonry</b>
<b>04-62-00</b>	<b>Vitrified Clay Liner Plate</b>
<b>04-70-00</b>	<b>Manufactured Masonry</b>
<b>04-71-00</b>	<b>Manufactured Brick Masonry</b>
04-71-13	Calcium Silicate Manufactured Brick Masonry
<b>04-72-00</b>	<b>Cast Stone Masonry</b>
<b>04-73-00</b>	<b>Manufactured Stone Masonry</b>
04-73-13	Calcium Silicate Manufactured Stone Masonry
<b>04-80-00</b>	<b>Unassigned</b>
<b>04-90-00</b>	<b>Unassigned</b>

## **05-00-00 METALS**

05-00-10	Metals -- Subcontractors
<b>05-01-00</b>	<b>Maintenance Of Metals</b>
05-01-10	Maintenance Of Structural Metal Framing
05-01-20	Maintenance Of Metal Joists
05-01-30	Maintenance Of Metal Decking
05-01-40	Maintenance Of Cold -Formed Metal Framing
05-01-50	Maintenance Of Metal Fabrications
05-01-70	Maintenance Of Decorative Metal
<b>05-05-00</b>	<b>Common Work Results For Metals</b>

05-05-13	Shop-Applied Coatings For Metal
05-05-23	Metal Fastenings
05-05-53	Security Metal Fastenings
<b>05-06-00</b>	<b>Schedules For Metals</b>
05-06-10	Schedules For Structural Metal Framing
05-06-20	Schedules For Metal Joists
05-06-30	Schedules For Metal Decking
05-06-40	Schedules For Cold-Formed Metal Framing
05-06-50	Schedules For Metal Fabrications
05-06-70	Schedules For Decorative Metal
<b>05-08-00</b>	<b>Commissioning Of Metals</b>
<b>05-10-00</b>	<b>Structural Metal Framing</b>
<b>05-12-00</b>	<b>Structural Steel Framing</b>
05-12-13	Architecturally-Exposed Structural Steel Framing
05-12-16	Fabricated Fireproofed Steel Columns
05-12-23	Structural Steel For Buildings
05-12-33	Structural Steel For Bridges
<b>05-13-00</b>	<b>Structural Stainless -Steel Framing</b>
<b>05-14-00</b>	<b>Structural Aluminum Framing</b>
05-14-13	Architecturally-Exposed Structural Aluminum Framing
<b>05-15-00</b>	<b>Wire Rope Assemblies</b>
05-15-13	Aluminum Wire Rope Assemblies
05-15-16	Steel Wire Rope Assemblies
05-15-19	Stainless-Steel Wire Rope Assemblies
<b>05-16-00</b>	<b>Structural Cabling</b>
05-16-33	Bridge Cabling
<b>05-20-00</b>	<b>Metal Joists</b>
<b>05-21-00</b>	<b>Steel Joist Framing</b>
05-21-13	Deep Longspan Steel Joist Framing
05-21-16	Longspan Steel Joist Framing
05-21-19	Open Web Steel Joist Framing
05-21-23	Steel Joist Girder Framing
<b>05-25-00</b>	<b>Aluminum Joist Framing</b>
<b>05-30-00</b>	<b>Metal Decking</b>
<b>05-31-00</b>	<b>Steel Decking</b>
05-31-13	Steel Floor Decking
05-31-23	Steel Roof Decking
05-31-33	Steel Form Decking
<b>05-33-00</b>	<b>Aluminum Decking</b>

05-33-13	Aluminum Floor Decking
05-33-23	Aluminum Roof Decking
<b>05-34-00</b>	<b>Acoustical Metal Decking</b>
<b>05-35-00</b>	<b>Raceway Decking Assemblies</b>
<b>05-36-00</b>	<b>Composite Metal Decking</b>
05-36-13	Composite Steel Plate And Elastomer Decking
<b>05-40-00</b>	<b>Cold-Formed Metal Framing</b>
<b>05-41-00</b>	<b>Structural Metal Stud Framing</b>
<b>05-42-00</b>	<b>Cold-Formed Metal Joist Framing</b>
05-42-13	Cold-Formed Metal Floor Joist Framing
05-42-23	Cold-Formed Metal Roof Joist Framing
<b>05-43-00</b>	<b>Slotted Channel Framing</b>
<b>05-44-00</b>	<b>Cold-Formed Metal Trusses</b>
<b>05-45-00</b>	<b>Metal Support Assemblies</b>
05-45-13	Mechanical Metal Supports
05-45-16	Electrical Metal Supports
05-45-19	Communications Metal Supports
05-45-23	Healthcare Metal Supports
<b>05-50-00</b>	<b>Metal Fabrications</b>
<b>05-51-00</b>	<b>Metal Stairs</b>
05-51-13	Metal Pan Stairs
05-51-16	Metal Floor Plate Stairs
05-51-19	Metal Grating Stairs
05-51-23	Metal Fire Escapes
05-51-33	Metal Ladders
05-51-36	Catwalks
<b>05-52-00</b>	<b>Metal Railings</b>
05-52-13	Pipe And Tube Railings
<b>05-53-00</b>	<b>Metal Gratings</b>
<b>05-54-00</b>	<b>Metal Floor Plates</b>
<b>05-55-00</b>	<b>Metal Stair Treads And Nosings</b>
05-55-13	Metal Stair Treads
05-55-16	Metal Stair Nosings
<b>05-56-00</b>	<b>Metal Castings</b>
<b>05-58-00</b>	<b>Formed Metal Fabrications</b>
05-58-13	Column Covers
05-58-16	Formed Metal Enclosures
05-58-19	Heating/Cooling Unit Covers
<b>05-59-00</b>	<b>Metal Specialties</b>

05-59-63	Detention Enclosures
05-60-00	Unassigned
<b>05-70-00</b>	<b>Decorative Metal</b>
<b>05-71-00</b>	<b>Decorative Metal Stairs</b>
05-71-13	Fabricated Metal Spiral Stairs
<b>05-73-00</b>	<b>Decorative Metal Railings</b>
05-73-13	Glazed Decorative Metal Railings
05-73-16	Wire Rope Decorative Metal Railings
<b>05-74-00</b>	<b>Decorative Metal Castings</b>
<b>05-75-00</b>	<b>Decorative Formed Metal</b>
<b>05-76-00</b>	<b>Decorative Forged Metal</b>
05-80-00	Unassigned
05-90-00	Unassigned

## **06-00-00 WOOD, PLASTICS, AND COMPOSITES**

06-00-10	Wood, Plastics, and Composites -- Subcontractors
<b>06-01-00</b>	<b>Maintenance Of Wood, Plastics, And Composites</b>
06-01-10	Maintenance Of Rough Carpentry
06-01-20	Maintenance Of Finish Carpentry
06-01-40	Maintenance Of Architectural Woodwork
06-01-50	Maintenance Of Structural Plastics
06-01-60	Maintenance Of Plastic Fabrications
06-01-70	Maintenance Of Structural Composites
06-01-80	Maintenance Of Composite Assemblies
<b>06-05-00</b>	<b>Common Work Results For Wood, Plastics, And Composites</b>
06-05-23	Wood, Plastic, And Composite Fastenings
06-05-73	Wood Treatment
06-05-83	Shop-Applied Wood Coatings
<b>06-06-00</b>	<b>Schedules For Wood, Plastics, And Composites</b>
06-06-10	Schedules For Rough Carpentry
06-06-20	Schedules For Finish Carpentry
06-06-40	Schedules For Architectural Woodwork
06-06-50	Schedules For Structural Plastics
06-06-60	Schedules For Plastic Fabrications
06-06-70	Schedules For Structural Composites
06-06-80	Schedules For Composite Assemblies
<b>06-08-00</b>	<b>Commissioning Of Wood, Plastics, And Composites</b>
<b>06-10-00</b>	<b>Rough Carpentry</b>
06-10-53	Miscellaneous Rough Carpentry



06-10-91	Curved Wood Members
<b>06-11-00</b>	<b>Wood Framing</b>
06-11-13	Engineered Wood Products
06-11-16	Mechanically Graded Lumber
<b>06-12-00</b>	<b>Structural Panels</b>
06-12-13	Cementitious Reinforced Panels
06-12-16	Stressed Skin Panels
<b>06-13-00</b>	<b>Heavy Timber</b>
06-13-13	Log Construction
06-13-16	Pole Construction
06-13-23	Heavy Timber Construction
06-13-33	Heavy Timber Pier Construction
<b>06-14-00</b>	<b>Treated Wood Foundations</b>
<b>06-15-00</b>	<b>Wood Decking</b>
06-15-13	Wood Floor Decking
06-15-16	Wood Roof Decking
06-15-19	Timber Decking
06-15-23	Laminated Wood Decking
06-15-33	Wood Patio Decking
<b>06-16-00</b>	<b>Sheathing</b>
06-16-13	Insulating Sheathing
06-16-23	Subflooring
06-16-26	Underlayment
06-16-29	Acoustical Underlayment
06-16-33	Wood Board Sheathing
06-16-36	Wood Panel Product Sheathing
06-16-43	Gypsum Sheathing
06-16-53	Moisture-Resistant Sheathing Board
06-16-63	Cementitious Sheathing
<b>06-17-00</b>	<b>Shop-Fabricated Structural Wood</b>
06-17-13	Laminated Veneer Lumber
06-17-23	Parallel Strand Lumber
06-17-33	Wood I-Joists
06-17-36	Metal -Web Wood Joists
06-17-43	Rim Boards
06-17-53	Shop-Fabricated Wood Trusses
<b>06-18-00</b>	<b>Glued-Laminated Construction</b>
06-18-13	Glued-Laminated Beams
06-18-16	Glued-Laminated Columns

## **06-20-00**

06-20-13

06-20-23

## **06-22-00**

06-22-13

## **06-25-00**

06-25-13

06-25-16

## **06-26-00**

06-26-13

## **06-30-00**

## **06-40-00**

06-40-13

06-40-23

## **06-41-00**

06-41-13

06-41-16

## **06-42-00**

06-42-13

06-42-16

06-42-19

## **06-43-00**

06-43-13

06-43-16

## **06-44-00**

06-44-13

06-44-16

06-44-19

06-44-23

06-44-26

06-44-29

06-44-33

06-44-36

06-44-39

## **06-46-00**

06-46-13

06-46-16

06-46-19

06-46-23

## **Finish Carpentry**

Exterior Finish Carpentry

Interior Finish Carpentry

## **Millwork**

Standard Pattern Wood Trim

## **Prefinished Paneling**

Prefinished Hardboard Paneling

Prefinished Plywood Paneling

## **Board Paneling**

Profile Board Paneling

## **Unassigned**

## **Architectural Woodwork**

Exterior Architectural Woodwork

Interior Architectural Woodwork

## **Architectural Wood Casework**

Wood-Veneer-Faced Architectural Cabinets

Plastic -Laminate -Clad Architectural Cabinets

## **Wood Paneling**

Solid Lumber Paneling

Wood-Veneer Paneling

Plastic -Laminate -Faced Wood Paneling

## **Wood Stairs And Railings**

Wood Stairs

Wood Railings

## **Ornamental Woodwork**

Wood Turnings

Wood Pilasters

Wood Grilles

Wood Corbels

Wood Cupolas

Wood Finials

Wood Mantels

Wood Pediment Heads

Wood Posts And Columns

## **Wood Trim**

Wood Door And Window Casings

Wood Aprons

Wood Base And Shoe Moldings

Wood Chair Rails

06-46-26	Wood Cornices
06-46-29	Wood Fascia And Soffits
06-46-33	Wood Stops, Stools, And Sills
06-46-91	Splicing Of Wooden Components
<b>06-48-00</b>	<b>Wood Frames</b>
06-48-13	Exterior Wood Door Frames
06-48-16	Interior Wood Door Frames
06-48-19	Ornamental Wood Frames
06-48-23	Stick-Built Wood Windows
06-48-26	Wood-Veneer Frames
<b>06-49-00</b>	<b>Wood Screens And Exterior Wood Shutters</b>
06-49-13	Wood Screens
06-49-16	Exterior Wood Blinds
06-49-19	Exterior Wood Shutters
<b>06-50-00</b>	<b>Structural Plastics</b>
<b>06-51-00</b>	<b>Structural Plastic Shapes And Plates</b>
06-51-13	Plastic Lumber
<b>06-52-00</b>	<b>Plastic Structural Assemblies</b>
<b>06-53-00</b>	<b>Plastic Decking</b>
06-53-13	Solid Plastic Decking
<b>06-60-00</b>	<b>Plastic Fabrications</b>
<b>06-61-00</b>	<b>Simulated Stone Fabrications</b>
06-61-13	Cultured Marble Fabrications
06-61-16	Solid Surfacing Fabrications
06-61-19	Quartz Surfacing Fabrications
<b>06-63-00</b>	<b>Plastic Railings</b>
<b>06-64-00</b>	<b>Plastic Paneling</b>
<b>06-65-00</b>	<b>Plastic Simulated Wood Trim</b>
<b>06-66-00</b>	<b>Custom Ornamental Simulated Woodwork</b>
<b>06-70-00</b>	<b>Structural Composites</b>
<b>06-71-00</b>	<b>Structural Composite Shapes And Plates</b>
06-71-13	Composite Lumber
<b>06-72-00</b>	<b>Composite Structural Assemblies</b>
06-72-13	Composite Joist Assemblies
<b>06-73-00</b>	<b>Composite Decking</b>
06-73-13	Composite Structural Decking
<b>06-80-00</b>	<b>Composite Fabrications</b>
<b>06-81-00</b>	<b>Composite Railings</b>
<b>06-82-00</b>	<b>Glass-Fiber -Reinforced Plastic</b>

06-90-00

Unassigned

## **07-00-00 THERMAL AND MOISTURE PROTECTION**

07-00-10	Thermal and Moisture Protection -- Subcontractors
<b>07-01-00</b>	<b>Operation And Maintenance Of Thermal And Moisture Protection</b>
07-01-10	Maintenance Of Dampproofing And Waterproofing
07-01-20	Maintenance Of Thermal Protection
07-01-30	Maintenance Of Steep Slope Roofing
07-01-40	Maintenance Of Roofing And Siding Panels
07-01-50	Maintenance Of Membrane Roofing
07-01-60	Maintenance Of Flashing And Sheet Metal
07-01-70	Operation And Maintenance Of Roof Specialties And Accessories
07-01-80	Maintenance Of Fire And Smoke Protection
07-01-90	Maintenance Of Joint Protection
<b>07-05-00</b>	<b>Common Work Results For Thermal And Moisture Protection</b>
<b>07-06-00</b>	<b>Schedules For Thermal And Moisture Protection</b>
07-06-10	Schedules For Dampproofing And Waterproofing
07-06-20	Schedules For Thermal Protection
07-06-30	Schedules For Steep Slope Roofing
07-06-40	Schedules For Roofing And Siding Panels
07-06-50	Schedules For Membrane Roofing
07-06-60	Schedules For Flashing And Sheet Metal
07-06-70	Schedules For Roof Specialties And Accessories
07-06-80	Schedules For Fire And Smoke Protection
07-06-90	Schedules For Joint Protection
<b>07-08-00</b>	<b>Commissioning Of Thermal And Moisture Protection</b>
<b>07-10-00</b>	<b>Dampproofing And Waterproofing</b>
<b>07-11-00</b>	<b>Dampproofing</b>
07-11-13	Bituminous Dampproofing
07-11-16	Cementitious Dampproofing
07-11-19	Sheet Dampproofing
<b>07-12-00</b>	<b>Built-Up Bituminous Waterproofing</b>
07-12-13	Built-Up Asphalt Waterproofing
07-12-16	Built-Up Coal Tar Waterproofing
<b>07-13-00</b>	<b>Sheet Waterproofing</b>
07-13-13	Bituminous Sheet Waterproofing
07-13-26	Self-Adhering Sheet Waterproofing
07-13-52	Modified Bituminous Sheet Waterproofing
07-13-53	Elastomeric Sheet Waterproofing

07-13-54	Thermoplastic Sheet Waterproofing
<b>07-14-00</b>	<b>Fluid-Applied Waterproofing</b>
07-14-13	Hot Fluid-Applied Rubberized Asphalt Waterproofing
07-14-16	Cold Fluid-Applied Waterproofing
<b>07-15-00</b>	<b>Sheet Metal Waterproofing</b>
<b>07-16-00</b>	<b>Cementitious And Reactive Waterproofing</b>
07-16-13	Polymer Modified Cement Waterproofing
07-16-16	Crystalline Waterproofing
07-16-19	Metal Oxide Waterproofing
<b>07-17-00</b>	<b>Bentonite Waterproofing</b>
07-17-13	Bentonite Panel Waterproofing
07-17-16	Bentonite Composite Sheet Waterproofing
<b>07-18-00</b>	<b>Traffic Coatings</b>
07-18-13	Pedestrian Traffic Coatings
07-18-16	Vehicular Traffic Coatings
<b>07-19-00</b>	<b>Water Repellents</b>
07-19-13	Acrylic Water Repellents
07-19-16	Silane Water Repellents
07-19-19	Silicone Water Repellents
07-19-23	Siloxane Water Repellents
07-19-26	Stearate Water Repellents
<b>07-20-00</b>	<b>Thermal Protection</b>
<b>07-21-00</b>	<b>Thermal Insulation</b>
07-21-13	Board Insulation
07-21-16	Blanket Insulation
07-21-19	Foamed-In-Place Insulation
07-21-23	Loose-Fill Insulation
07-21-26	Blown Insulation
07-21-29	Sprayed Insulation
<b>07-22-00</b>	<b>Roof And Deck Insulation</b>
07-22-13	Asphaltic Perlite Concrete Deck
07-22-16	Roof Board Insulation
<b>07-24-00</b>	<b>Exterior Insulation And Finish Systems</b>
07-24-13	Polymer-Based Exterior Insulation And Finish System
07-24-16	Polymer-Modified Exterior Insulation And Finish System
07-24-19	Water-Drainage Exterior Insulation And Finish System
<b>07-25-00</b>	<b>Weather Barriers</b>
<b>07-26-00</b>	<b>Vapor Retarders</b>
07-26-13	Above-Grade Vapor Retarders

07-26-16	Below-Grade Vapor Retarders
07-26-23	Below-Grade Gas Retarders
<b>07-27-00</b>	<b>Air Barriers</b>
07-27-13	Modified Bituminous Sheet Air Barriers
07-27-16	Sheet Metal Membrane Air Barriers
07-27-19	Plastic Sheet Air Barriers
07-27-23	Board Product Air Barriers
07-27-26	Fluid-Applied Membrane Air Barriers
<b>07-30-00</b>	<b>Steep Slope Roofing</b>
07-30-91	Canvas Roofing
<b>07-31-00</b>	<b>Shingles And Shakes</b>
07-31-13	Asphalt Shingles
07-31-16	Metal Shingles
07-31-19	Mineral -Fiber Cement Shingles
07-31-23	Porcelain Enamel Shingles
07-31-26	Slate Shingles
07-31-29	Wood Shingles And Shakes
07-31-33	Composite Rubber Shingles
07-31-53	Plastic Shakes
<b>07-32-00</b>	<b>Roof Tiles</b>
07-32-13	Clay Roof Tiles
07-32-16	Concrete Roof Tiles
07-32-19	Metal Roof Tiles
07-32-23	Mineral -Fiber Cement Roof Tiles
07-32-26	Plastic Roof Tiles
07-32-29	Rubber Tiles/Panels
<b>07-33-00</b>	<b>Natural Roof Coverings</b>
07-33-13	Sod Roofing
07-33-16	Thatched Roofing
07-33-63	Vegetated Roofing
<b>07-40-00</b>	<b>Roofing And Siding Panels</b>
<b>07-41-00</b>	<b>Roof Panels</b>
07-41-13	Metal Roof Panels
07-41-23	Wood Roof Panels
07-41-33	Plastic Roof Panels
07-41-43	Composite Roof Panels
07-41-63	Fabricated Roof Panel Assemblies
<b>07-42-00</b>	<b>Wall Panels</b>
07-42-13	Metal Wall Panels

07-42-23	Wood Wall Panels
07-42-33	Plastic Wall Panels
07-42-43	Composite Wall Panels
07-42-63	Fabricated Wall Panel Assemblies
<b>07-44-00</b>	<b>Faced Panels</b>
07-44-13	Aggregate Coated Panels
07-44-16	Porcelain Enameled Faced Panels
07-44-19	Tile -Faced Panels
07-44-23	Ceramic -Tile-Faced Panels
07-44-53	Glass-Fiber-Reinforced Cementitious Panels
07-44-56	Mineral -Fiber-Reinforced Cementitious Panels
07-44-63	Fabricated Faced Panel Assemblies
<b>07-46-00</b>	<b>Siding</b>
07-46-16	Aluminum Siding
07-46-19	Steel Siding
07-46-23	Wood Siding
07-46-26	Hardboard Siding
07-46-29	Plywood Siding
07-46-33	Plastic Siding
07-46-43	Composition Siding
07-46-46	Mineral -Fiber Cement Siding
07-46-63	Fabricated Panel Assemblies With Siding
<b>07-50-00</b>	<b>Membrane Roofing</b>
<b>07-51-00</b>	<b>Built-Up Bituminous Roofing</b>
07-51-13	Built-Up Asphalt Roofing
07-51-16	Built-Up Coal Tar Roofing
07-51-23	Glass-Fiber-Reinforced Asphalt Emulsion Roofing
<b>07-52-00</b>	<b>Modified Bituminous Membrane Roofing</b>
07-52-13	Atactic -Polypropylene -Modified Bituminous Membrane Roofing
07-52-16	Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07-52-19	Self-Adhering Modified Bituminous Membrane Roofing
<b>07-53-00</b>	<b>Elastomeric Membrane Roofing</b>
07-53-13	Chlorinated-Polyethylene Roofing
07-53-16	Chlorosulfonate -Polyethylene Roofing
07-53-23	Ethylene-Propylene-Diene-Monomer Roofing
07-53-29	Polyisobutylene Roofing
<b>07-54-00</b>	<b>Thermoplastic Membrane Roofing</b>
07-54-13	Copolymer-Alloy Roofing
07-54-16	Ethylene-Interpolymer Roofing

07-54-19	Polyvinyl -Chloride Roofing
07-54-23	Thermoplastic -Polyolefin Roofing
07-54-26	Nitrile-Butadiene-Polymer Roofing
<b>07-55-00</b>	<b>Protected Membrane Roofing</b>
07-55-51	Built-Up Bituminous Protected Membrane Roofing
07-55-52	Modified Bituminous Protected Membrane Roofing
07-55-53	Elastomeric Protected Membrane Roofing
07-55-54	Thermoplastic Protected Membrane Roofing
07-55-56	Fluid-Applied Protected Membrane Roofing
07-55-63	Vegetated Protected Membrane Roofing
<b>07-56-00</b>	<b>Fluid-Applied Roofing</b>
<b>07-57-00</b>	<b>Coated Foamed Roofing</b>
07-57-13	Sprayed Polyurethane Foam Roofing
<b>07-58-00</b>	<b>Roll Roofing</b>
<b>07-60-00</b>	<b>Flashing And Sheet Metal</b>
<b>07-61-00</b>	<b>Sheet Metal Roofing</b>
07-61-13	Standing Seam Sheet Metal Roofing
07-61-16	Batten Seam Sheet Metal Roofing
07-61-19	Flat Seam Sheet Metal Roofing
07-61-91	Tinplate And Ternplate Roofing
<b>07-62-00</b>	<b>Sheet Metal Flashing And Trim</b>
<b>07-63-00</b>	<b>Sheet Metal Roofing Specialties</b>
<b>07-65-00</b>	<b>Flexible Flashing</b>
07-65-13	Laminated Sheet Flashing
07-65-16	Modified Bituminous Sheet Flashing
07-65-19	Plastic Sheet Flashing
07-65-23	Rubber Sheet Flashing
07-65-26	Self-Adhering Sheet Flashing
<b>07-70-00</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07-71-00</b>	<b>Roof Specialties</b>
07-71-13	Manufactured Copings
07-71-16	Manufactured Counterflashing Systems
07-71-19	Manufactured Gravel Stops And Facias
07-71-23	Manufactured Gutters And Downspouts
07-71-26	Reglets
07-71-29	Manufactured Roof Expansion Joints
07-71-33	Manufactured Scuppers
<b>07-72-00</b>	<b>Roof Accessories</b>
07-72-13	Manufactured Curbs



07-72-23	Relief Vents
07-72-26	Ridge Vents
07-72-33	Roof Hatches
07-72-36	Smoke Vents
07-72-43	Roof Walk Boards
07-72-46	Roof Walkways
07-72-53	Snow Guards
07-72-63	Waste Containment Assemblies
<b>07-76-00</b>	<b>Roof Pavers</b>
07-76-13	Roof Ballast Pavers
07-76-16	Roof Decking Pavers
<b>07-77-00</b>	<b>Wall Specialties</b>
<b>07-80-00</b>	<b>Fire And Smoke Protection</b>
<b>07-81-00</b>	<b>Applied Fireproofing</b>
07-81-13	Cement Aggregate Fireproofing
07-81-16	Cementitious Fireproofing
07-81-19	Foamed Magnesium -Oxychloride Fireproofing
07-81-23	Intumescent Mastic Fireproofing
07-81-26	Magnesium Cement Fireproofing
07-81-29	Mineral -Fiber Cementitious Fireproofing
07-81-33	Mineral -Fiber Fireproofing
<b>07-82-00</b>	<b>Board Fireproofing</b>
07-82-13	Calcium -Silicate Board Fireproofing
07-82-16	Slag-Fiber Board Fireproofing
<b>07-84-00</b>	<b>Firestopping</b>
07-84-13	Penetration Firestopping
07-84-16	Annular Space Protection
07-84-23	Silicone Firestopping Foams
07-84-26	Thermal Barriers For Plastics
07-84-43	Fire-Resistant Joint Sealants
07-84-53	Building Perimeter Firestopping
07-84-56	Fire Safing
<b>07-86-00</b>	<b>Smoke Seals</b>
<b>07-87-00</b>	<b>Smoke Containment Barriers</b>
<b>07-90-00</b>	<b>Joint Protection</b>
<b>07-91-00</b>	<b>Preformed Joint Seals</b>
07-91-13	Compression Seals
07-91-16	Joint Gaskets
07-91-23	Backer Rods

07-91-26	Joint Fillers
<b>07-92-00</b>	<b>Joint Sealants</b>
07-92-13	Elastomeric Joint Sealants
07-92-16	Rigid Joint Sealants
07-92-19	Acoustical Joint Sealants
<b>07-95-00</b>	<b>Expansion Control</b>
07-95-13	Expansion Joint Cover Assemblies
07-95-53	Joint Slide Bearings
07-95-63	Bridge Expansion Joint Cover Assemblies

## **08-00-00 OPENINGS**

08-00-10	Openings -- Subcontractors
<b>08-01-00</b>	<b>Operation And Maintenance Of Openings</b>
08-01-10	Operation And Maintenance Of Doors And Frames
08-01-11	Operation And Maintenance Of Metal Doors And Frames
08-01-14	Operation And Maintenance Of Wood Doors
08-01-15	Operation And Maintenance Of Plastic Doors
08-01-16	Operation And Maintenance Of Composite Doors
08-01-17	Operation And Maintenance Of Integrated Door Opening Assemblies
08-01-30	Operation And Maintenance Of Specialty Doors And Frames
08-01-32	Operation And Maintenance Of Sliding Glass Doors
08-01-33	Operation And Maintenance Of Coiling Doors And Grilles
08-01-34	Operation And Maintenance Of Special Function Doors
08-01-35	Operation And Maintenance Of Folding Doors And Grilles
08-01-36	Operation And Maintenance Of Panel Doors
08-01-39	Operation And Maintenance Of Traffic Doors
08-01-40	Operation And Maintenance Of Entrances, Storefronts, And Curtain Walls
08-01-41	Operation And Maintenance Of Entrances
08-01-42	Operation And Maintenance Of Storefronts
08-01-44	Operation And Maintenance Of Curtain Walls
08-01-50	Operation And Maintenance Of Windows
08-01-51	Operation And Maintenance Of Metal Windows
08-01-52	Operation And Maintenance Of Wood Windows
08-01-53	Operation And Maintenance Of Plastic Windows
08-01-54	Operation And Maintenance Of Composite Windows
08-01-56	Operation And Maintenance Of Special Function Windows
08-01-60	Operation And Maintenance Of Skylights And Roof Windows
08-01-61	Operation And Maintenance Of Roof Windows
08-01-62	Operation And Maintenance Of Unit Skylights

08-01-63	Operation And Maintenance Of Metal-Framed Skylights
08-01-64	Operation And Maintenance Of Plastic -Framed Skylights
08-01-70	Operation And Maintenance Of Hardware
08-01-71	Operation And Maintenance Of Door Hardware
08-01-74	Operation And Maintenance Of Access Control Hardware
08-01-75	Operation And Maintenance Of Window Hardware
08-01-80	Maintenance Of Glazing
08-01-81	Maintenance Of Glass Glazing
08-01-84	Maintenance Of Plastic Glazing
08-01-88	Maintenance Of Special Function Glazing
08-01-90	Operation And Maintenance Of Louvers And Vents
08-01-91	Operation And Maintenance Of Louvers
08-01-92	Operation And Maintenance Of Louvered Equipment Enclosures
08-01-95	Operation And Maintenance Of Vents
<b>08-05-00</b>	<b>Common Work Results For Openings</b>
<b>08-06-00</b>	<b>Schedules For Openings</b>
08-06-10	Door Schedule
08-06-40	Schedules For Entrances, Storefronts, And Curtain Walls
08-06-41	Entrance Schedule
08-06-42	Storefront Schedule
08-06-50	Window Schedule
08-06-60	Skylight Schedule
08-06-70	Hardware Schedule
08-06-71	Door Hardware Schedule
08-06-80	Glazing Schedule
08-06-90	Louver And Vent Schedule
<b>08-08-00</b>	<b>Commissioning Of Openings</b>
<b>08-10-00</b>	<b>Doors And Frames</b>
<b>08-11-00</b>	<b>Metal Doors And Frames</b>
08-11-13	Hollow Metal Doors And Frames
08-11-16	Aluminum Doors And Frames
08-11-19	Stainless-Steel Doors And Frames
08-11-23	Bronze Doors And Frames
08-11-63	Metal Screen And Storm Doors And Frames
08-11-66	Metal Screen Doors And Frames
08-11-69	Metal Storm Doors And Frames
08-11-73	Sliding Metal Firedoors
08-11-74	Sliding Metal Grilles
<b>08-12-00</b>	<b>Metal Frames</b>

08-12-13	Hollow Metal Frames
08-12-16	Aluminum Frames
08-12-19	Stainless-Steel Frames
08-12-23	Bronze Frames
<b>08-13-00</b>	<b>Metal Doors</b>
08-13-13	Hollow Metal Doors
08-13-16	Aluminum Doors
08-13-19	Stainless-Steel Doors
08-13-23	Bronze Doors
08-13-73	Sliding Metal Doors
08-13-76	Bifolding Metal Doors
<b>08-14-00</b>	<b>Wood Doors</b>
08-14-13	Carved Wood Doors
08-14-16	Flush Wood Doors
08-14-23	Clad Wood Doors
08-14-29	Prefinished Wood Doors
08-14-33	Stile And Rail Wood Doors
08-14-66	Wood Screen Doors
08-14-69	Wood Storm Doors
08-14-73	Sliding Wood Doors
08-14-76	Bifolding Wood Doors
<b>08-15-00</b>	<b>Plastic Doors</b>
08-15-13	Laminated Plastic Doors
08-15-16	Solid Plastic Doors
08-15-66	Plastic Screen Doors
08-15-69	Plastic Storm Doors
08-15-73	Sliding Plastic Doors
08-15-76	Bifolding Plastic Doors
<b>08-16-00</b>	<b>Composite Doors</b>
08-16-13	Fiberglass Doors
08-16-73	Sliding Composite Doors
08-16-76	Bifolding Composite Doors
<b>08-17-00</b>	<b>Integrated Door Opening Assemblies</b>
08-17-13	Integrated Metal Door Opening Assemblies
08-17-23	Integrated Wood Door Opening Assemblies
08-17-33	Integrated Plastic Door Opening Assemblies
08-17-43	Integrated Composite Door Opening Assemblies
<b>08-20-00</b>	<b>Unassigned</b>
<b>08-30-00</b>	<b>Specialty Doors And Frames</b>

<b>08-31-00</b>	<b>Access Doors And Panels</b>
08-31-13	Access Doors And Frames
08-31-16	Access Panels And Frames
<b>08-32-00</b>	<b>Sliding Glass Doors</b>
08-32-13	Sliding Aluminum -Framed Glass Doors
08-32-16	Sliding Plastic -Framed Glass Doors
08-32-19	Sliding Wood-Framed Glass Doors
<b>08-33-00</b>	<b>Coiling Doors And Grilles</b>
08-33-13	Coiling Counter Doors
08-33-16	Coiling Counter Grilles
08-33-23	Overhead Coiling Doors
08-33-26	Overhead Coiling Grilles
08-33-33	Side Coiling Doors
08-33-36	Side Coiling Grilles
<b>08-34-00</b>	<b>Special Function Doors</b>
08-34-13	Cold Storage Doors
08-34-16	Hangar Doors
08-34-19	Industrial Doors
08-34-33	Lightproof Doors
08-34-36	Darkroom Doors
08-34-46	Radio -Frequency-Interference Shielding Doors
08-34-49	Radiation Shielding Doors And Frames
08-34-53	Security Doors And Frames
08-34-56	Security Gates
08-34-59	Vault Doors And Day Gates
08-34-63	Detention Doors And Frames
08-34-73	Sound Control Door Assemblies
<b>08-35-00</b>	<b>Folding Doors And Grilles</b>
08-35-13	Folding Doors
08-35-16	Folding Grilles
<b>08-36-00</b>	<b>Panel Doors</b>
08-36-13	Sectional Doors
08-36-16	Single -Panel Doors
08-36-19	Multi -Leaf Vertical Lift Doors
08-36-23	Telescoping Vertical Lift Doors
<b>08-38-00</b>	<b>Traffic Doors</b>
08-38-13	Flexible Strip Doors
08-38-16	Flexible Traffic Doors
08-38-19	Rigid Traffic Doors

## **08-39-00**

08-39-13

08-39-19

08-39-53

## **Pressure -Resistant Doors**

Airtight Doors

Watertight Doors

Blast-Resistant Doors

## **08-40-00**

## **Entrances , Storefronts, And Curtain Walls**

### **08-41-00**

### **Entrances And Storefronts**

08-41-13

Aluminum -Framed Entrances And Storefronts

08-41-16

Bronze -Framed Entrances And Storefronts

08-41-19

Stainless-Steel -Framed Entrances And Storefronts

08-41-23

Steel-Framed Entrances And Storefronts

08-41-26

All-Glass Entrances And Storefronts

### **08-42-00**

### **Entrances**

08-42-26

All-Glass Entrances

08-42-29

Automatic Entrances

08-42-33

Revolving Door Entrances

08-42-36

Balanced Door Entrances

08-42-39

Pressure-Resistant Entrances

08-42-43

Intensive Care Unit/Critical Care Unit Entrances

### **08-43-00**

### **Storefronts**

08-43-13

Aluminum -Framed Storefronts

08-43-16

Bronze -Framed Storefronts

08-43-19

Stainless-Steel -Framed Storefronts

08-43-23

Steel-Framed Storefronts

08-43-26

All-Glass Storefronts

08-43-29

Sliding Storefronts

### **08-44-00**

### **Curtain Wall And Glazed Assemblies**

08-44-13

Glazed Aluminum Curtain Walls

08-44-16

Glazed Bronze Curtain Walls

08-44-19

Glazed Stainless-Steel Curtain Walls

08-44-26

Structural Glass Curtain Walls

08-44-33

Sloped Glazing Assemblies

### **08-45-00**

### **Translucent Wall And Roof Assemblies**

08-45-13

Structured-Polycarbonate -Panel Assemblies

08-45-23

Fiberglass-Sandwich-Panel Assemblies

## **08-50-00**

## **Windows**

### **08-51-00**

### **Metal Windows**

08-51-13

Aluminum Windows

08-51-16

Bronze Windows

08-51-19

Stainless-Steel Windows

08-51-23	Steel Windows
08-51-66	Metal Window Screens
08-51-69	Metal Storm Windows
<b>08-52-00</b>	<b>Wood Windows</b>
08-52-13	Metal -Clad Wood Windows
08-52-16	Plastic -Clad Wood Windows
08-52-66	Wood Window Screens
08-52-69	Wood Storm Windows
<b>08-53-00</b>	<b>Plastic Windows</b>
08-53-13	Vinyl Windows
08-53-66	Vinyl Window Screens
08-53-69	Vinyl Storm Windows
<b>08-54-00</b>	<b>Composite Windows</b>
08-54-13	Fiberglass Windows
08-54-66	Fiberglass Window Screens
08-54-69	Fiberglass Storm Windows
<b>08-55-00</b>	<b>Pressure -Resistant Windows</b>
<b>08-56-00</b>	<b>Special Function Windows</b>
08-56-19	Pass Windows
08-56-46	Radio -Frequency-Interference Shielding Windows
08-56-49	Radiation Shielding Windows
08-56-53	Security Windows
08-56-56	Security Window Screens
08-56-59	Service And Teller Window Units
08-56-63	Detention Windows
08-56-66	Detention Window Screens
08-56-73	Sound Control Windows
<b>08-60-00</b>	<b>Roof Windows And Skylights</b>
<b>08-61-00</b>	<b>Roof Windows</b>
08-61-13	Metal Roof Windows
08-61-16	Wood Roof Windows
<b>08-62-00</b>	<b>Unit Skylights</b>
08-62-13	Domed Unit Skylights
08-62-16	Pyramidal Unit Skylights
08-62-19	Vaulted Unit Skylights
<b>08-63-00</b>	<b>Metal -Framed Skylights</b>
08-63-13	Domed Metal-Framed Skylights
08-63-16	Pyramidal Metal -Framed Skylights
08-63-19	Vaulted Metal-Framed Skylights

08-63-23	Ridge Metal-Framed Skylights
08-63-53	Motorized Metal-Framed Skylights
<b>08-64-00</b>	<b>Plastic-Framed Skylights</b>
<b>08-67-00</b>	<b>Skylight Protection And Screens</b>
<b>08-70-00</b>	<b>Hardware</b>
<b>08-71-00</b>	<b>Door Hardware</b>
08-71-13	Automatic Door Operators
08-71-53	Security Door Hardware
08-71-63	Detention Door Hardware
<b>08-74-00</b>	<b>Access Control Hardware</b>
08-74-13	Card Key Access Control Hardware
08-74-16	Keypad Access Control Hardware
08-74-19	Biometric Identity Access Control Hardware
<b>08-75-00</b>	<b>Window Hardware</b>
08-75-13	Automatic Window Equipment
08-75-16	Window Operators
<b>08-78-00</b>	<b>Special Function Hardware</b>
<b>08-79-00</b>	<b>Hardware Accessories</b>
08-79-13	Key Storage Equipment
<b>08-80-00</b>	<b>Glazing</b>
<b>08-81-00</b>	<b>Glass Glazing</b>
08-81-13	Decorative Glass Glazing
<b>08-83-00</b>	<b>Mirrors</b>
08-83-13	Mirrored Glass Glazing
08-83-16	Mirrored Plastic Glazing
<b>08-84-00</b>	<b>Plastic Glazing</b>
08-84-13	Decorative Plastic Glazing
<b>08-85-00</b>	<b>Glazing Accessories</b>
<b>08-87-00</b>	<b>Glazing Surface Films</b>
08-87-13	Solar Control Films
08-87-16	Safety Films
08-87-53	Security Films
<b>08-88-00</b>	<b>Special Function Glazing</b>
08-88-19	Hurricane-Resistant Glazing
08-88-23	Cable Suspended Glazing
08-88-33	Transparent Mirrored Glazing
08-88-39	Pressure-Resistant Glazing
08-88-49	Radiation-Resistant Glazing
08-88-53	Security Glazing



08-88-56	Ballistics-Resistant Glazing
<b>08-90-00</b>	<b>Louvers And Vents</b>
<b>08-91-00</b>	<b>Louvers</b>
08-91-13	Motorized Wall Louvers
08-91-16	Operable Wall Louvers
08-91-19	Fixed Louvers
08-91-26	Door Louvers
<b>08-92-00</b>	<b>Louvered Equipment Enclosures</b>
<b>08-95-00</b>	<b>Vents</b>
08-95-13	Soffit Vents
08-95-16	Wall Vents

## **09-00-00 FINISHES**

09-00-10	Finishes -- Subcontractors
<b>09-01-00</b>	<b>Maintenance Of Finishes</b>
09-01-20	Maintenance Of Plaster And Gypsum Board
09-01-30	Maintenance Of Tiling
09-01-50	Maintenance Of Ceilings
09-01-60	Maintenance Of Flooring
09-01-70	Maintenance Of Wall Finishes
09-01-80	Maintenance Of Acoustic Treatment
09-01-90	Maintenance Of Painting And Coating
<b>09-05-00</b>	<b>Common Work Results For Finishes</b>
09-05-13	Common Finishes
<b>09-06-00</b>	<b>Schedules For Finishes</b>
09-06-20	Schedules For Plaster And Gypsum Board
09-06-30	Schedules For Tiling
09-06-50	Schedules For Ceilings
09-06-60	Schedules For Flooring
09-06-70	Schedules For Wall Finishes
09-06-80	Schedules For Acoustical Treatment
09-06-90	Schedules For Painting And Coating
<b>09-08-00</b>	<b>Commissioning Of Finishes</b>
<b>09-10-00</b>	<b>Unassigned</b>
<b>09-20-00</b>	<b>Plaster And Gypsum Board</b>
<b>09-21-00</b>	<b>Plaster And Gypsum Board Assemblies</b>
09-21-13	Plaster Assemblies
09-21-16	Gypsum Board Assemblies
<b>09-22-00</b>	<b>Supports For Plaster And Gypsum Board</b>

09-22-13	Metal Furring
09-22-16	Non-Structural Metal Framing
09-22-26	Suspension Systems
09-22-36	Lath
09-22-39	Veneer Plaster Base
<b>09-23-00</b>	<b>Gypsum Plastering</b>
09-23-13	Acoustical Gypsum Plastering
09-23-82	Fireproof Gypsum Plastering
<b>09-24-00</b>	<b>Portland Cement Plastering</b>
09-24-13	Adobe Finish
09-24-23	Portland Cement Stucco
09-24-33	Portland Cement Parging
<b>09-25-00</b>	<b>Other Plastering</b>
09-25-13	Acrylic Plastering
09-25-23	Lime Based Plastering
<b>09-26-00</b>	<b>Veneer Plastering</b>
09-26-13	Gypsum Veneer Plastering
<b>09-27-00</b>	<b>Plaster Fabrications</b>
09-27-13	Glass-Fiber-Reinforced Plaster Fabrications
09-27-23	Simulated Plaster Fabrications
<b>09-28-00</b>	<b>Backing Boards And Underlayments</b>
09-28-13	Cementitious Backing Boards
09-28-16	Glass-Mat Faced Gypsum Backing Boards
09-28-19	Fiberglass Gypsum Backing Boards
<b>09-29-00</b>	<b>Gypsum Board</b>
09-29-82	Gypsum Board Fireproofing
<b>09-30-00</b>	<b>Tiling</b>
09-30-13	Ceramic Tiling
09-30-16	Quarry Tiling
09-30-19	Paver Tiling
09-30-23	Glass Mosaic Tiling
09-30-26	Plastic Tiling
09-30-29	Metal Tiling
09-30-33	Stone Tiling
<b>09-31-00</b>	<b>Thin-Set Tiling</b>
09-31-13	Thin -Set Ceramic Tiling
09-31-16	Thin -Set Quarry Tiling
09-31-19	Thin -Set Paver Tiling
09-31-23	Thin -Set Glass Mosaic Tiling

09-31-26	Thin -Set Plastic Tiling
09-31-29	Thin -Set Metal Tiling
09-31-33	Thin -Set Stone Tiling
<b>09-32-00</b>	<b>Mortar-Bed Tiling</b>
09-32-13	Mortar-Bed Ceramic Tiling
09-32-16	Mortar-Bed Quarry Tiling
09-32-19	Mortar-Bed Paver Tiling
09-32-23	Mortar-Bed Glass Mosaic Tiling
09-32-26	Mortar-Bed Plastic Tiling
09-32-29	Mortar-Bed Metal Tiling
09-32-33	Mortar-Bed Stone Tiling
<b>09-33-00</b>	<b>Conductive Tiling</b>
09-33-13	Conductive Ceramic Tiling
09-33-16	Conductive Quarry Tiling
09-33-19	Conductive Paver Tiling
09-33-23	Conductive Glass Mosaic Tiling
09-33-26	Conductive Plastic Tiling
09-33-29	Conductive Metal Tiling
09-33-33	Conductive Stone Tiling
<b>09-34-00</b>	<b>Waterproofing-Membrane Tiling</b>
09-34-13	Waterproofing-Membrane Ceramic Tiling
09-34-16	Waterproofing-Membrane Quarry Tiling
09-34-19	Waterproofing-Membrane Paver Tiling
09-34-23	Waterproofing-Membrane Glass Mosaic Tiling
09-34-26	Waterproofing-Membrane Plastic Tiling
09-34-29	Waterproofing-Membrane Metal Tiling
09-34-33	Waterproofing-Membrane Stone Tiling
<b>09-35-00</b>	<b>Chemical -Resistant Tiling</b>
09-35-13	Chemical-Resistant Ceramic Tiling
09-35-16	Chemical-Resistant Quarry Tiling
09-35-19	Chemical-Resistant Paver Tiling
09-35-23	Chemical-Resistant Glass Mosaic Tiling
09-35-26	Chemical-Resistant Plastic Tiling
09-35-29	Chemical-Resistant Metal Tiling
09-35-33	Chemical-Resistant Stone Tiling
<b>09-40-00</b>	<b>Unassigned</b>
<b>09-50-00</b>	<b>Ceilings</b>
<b>09-51-00</b>	<b>Acoustical Ceilings</b>
09-51-13	Acoustical Panel Ceilings

09-51-23	Acoustical Tile Ceilings
09-51-33	Acoustical Metal Pan Ceilings
09-51-53	Direct-Applied Acoustical Ceilings
<b>09-53-00</b>	<b>Acoustical Ceiling Suspension Assemblies</b>
09-53-13	Curved Profile Ceiling Suspension Assemblies
09-53-23	Metal Acoustical Ceiling Suspension Assemblies
09-53-33	Plastic Acoustical Ceiling Suspension Assemblies
<b>09-54-00</b>	<b>Specialty Ceilings</b>
09-54-13	Open Metal Mesh Ceilings
09-54-16	Luminous Ceilings
09-54-19	Mirror Panel Ceilings
09-54-23	Linear Metal Ceilings
09-54-26	Linear Wood Ceilings
09-54-33	Decorative Panel Ceilings
09-54-36	Suspended Decorative Grids
09-54-43	Stretched-Fabric Ceiling Systems
09-54-46	Fabric -Wrapped Ceiling Panels
<b>09-56-00</b>	<b>Textured Ceilings</b>
09-56-13	Gypsum -Panel Textured Ceilings
09-56-16	Metal -Panel Textured Ceilings
<b>09-57-00</b>	<b>Special Function Ceilings</b>
09-57-53	Security Ceiling Assemblies
<b>09-58-00</b>	<b>Integrated Ceiling Assemblies</b>
<b>09-60-00</b>	<b>Flooring</b>
<b>09-61-00</b>	<b>Flooring Treatment</b>
09-61-13	Slip-Resistant Flooring Treatment
09-61-36	Static -Resistant Flooring Treatment
<b>09-62-00</b>	<b>Specialty Flooring</b>
09-62-13	Asphaltic Plank Flooring
09-62-19	Laminate Flooring
09-62-23	Bamboo Flooring
09-62-26	Leather Flooring
09-62-29	Cork Flooring
09-62-35	Acid-Resistant Flooring
09-62-48	Acoustic Flooring
<b>09-63-00</b>	<b>Masonry Flooring</b>
09-63-13	Brick Flooring
09-63-40	Stone Flooring
09-63-43	Composition Stone Flooring

## **09-64-00**

09-64-16

09-64-19

09-64-23

09-64-29

09-64-33

09-64-53

09-64-66

## **09-65-00**

09-65-13

09-65-16

09-65-19

09-65-33

09-65-36

09-65-66

## **09-66-00**

09-66-13

09-66-16

09-66-23

09-66-33

## **09-67-00**

09-67-13

09-67-16

09-67-19

09-67-23

09-67-26

09-67-66

## **09-68-00**

09-68-13

09-68-16

## **09-69-00**

09-69-13

09-69-16

09-69-19

09-69-53

09-69-56

## **09-70-00**

## **09-72-00**

09-72-13

### **Wood Flooring**

Wood Block Flooring

Wood Composition Flooring

Wood Parquet Flooring

Wood Strip And Plank Flooring

Laminated Wood Flooring

Resilient Wood Flooring Assemblies

Wood Athletic Flooring

### **Resilient Flooring**

Resilient Base And Accessories

Resilient Sheet Flooring

Resilient Tile Flooring

Conductive Resilient Flooring

Static -Control Resilient Flooring

Resilient Athletic Flooring

### **Terrazzo Flooring**

Portland Cement Terrazzo Flooring

Terrazzo Floor Tile

Resinous Matrix Terrazzo Flooring

Conductive Terrazzo Flooring

### **Fluid-Applied Flooring**

Elastomeric Liquid Flooring

Epoxy-Marble Chip Flooring

Magnesium -Oxychloride Flooring

Resinous Flooring

Quartz Flooring

Fluid-Applied Athletic Flooring

### **Carpeting**

Tile Carpeting

Sheet Carpeting

### **Access Flooring**

Rigid -Grid Access Flooring

Snap-On Stringer Access Flooring

Stringerless Access Flooring

Access Flooring Accessories

Access Flooring Stairs And Stringers

### **Wall Finishes**

### **Wall Coverings**

Cork Wall Coverings

09-72-16	Vinyl-Coated Fabric Wall Coverings
09-72-19	Textile Wall Coverings
09-72-23	Wallpapering
<b>09-73-00</b>	<b>Wall Carpeting</b>
<b>09-74-00</b>	<b>Flexible Wood Sheets</b>
09-74-13	Wood Wall Coverings
09-74-16	Flexible Wood Veneers
<b>09-75-00</b>	<b>Stone Facing</b>
<b>09-76-00</b>	<b>Plastic Blocks</b>
<b>09-77-00</b>	<b>Special Wall Surfacing</b>
09-77-13	Stretched-Fabric Wall Systems
09-77-23	Fabric -Wrapped Panels
<b>09-80-00</b>	<b>Acoustic Treatment</b>
<b>09-81-00</b>	<b>Acoustic Insulation</b>
09-81-13	Acoustic Board Insulation
09-81-16	Acoustic Blanket Insulation
09-81-29	Sprayed Acoustic Insulation
<b>09-83-00</b>	<b>Acoustic Finishes</b>
09-83-13	Acoustic Wall Coating
09-83-16	Acoustic Ceiling Coating
09-83-22	Acoustic Drapery
<b>09-84-00</b>	<b>Acoustic Room Components</b>
09-84-13	Fixed Sound-Absorptive Panels
09-84-16	Fixed Sound-Reflective Panels
09-84-23	Moveable Sound -Absorptive Panels
09-84-26	Moveable Sound -Reflective Panels
09-84-33	Sound-Absorbing Wall Units
09-84-36	Sound-Absorbing Ceiling Units
<b>09-90-00</b>	<b>Painting And Coating</b>
<b>09-91-00</b>	<b>Painting</b>
09-91-13	Exterior Painting
09-91-23	Interior Painting
<b>09-93-00</b>	<b>Staining And Transparent Finishing</b>
09-93-13	Exterior Staining And Finishing
09-93-23	Interior Staining And Finishing
<b>09-94-00</b>	<b>Decorative Finishing</b>
09-94-13	Textured Finishing
09-94-16	Faux Finishing
09-94-19	Multicolor Interior Finishing

## **09-96-00**

### **High-Performance Coatings**

09-96-13	Abrasion-Resistant Coatings
09-96-23	Graffiti -Resistant Coatings
09-96-26	Marine Coatings
09-96-33	High-Temperature-Resistant Coatings
09-96-35	Chemical-Resistant Coatings
09-96-43	Fire-Retardant Coatings
09-96-46	Intumescent Painting
09-96-53	Elastomeric Coatings
09-96-56	Epoxy Coatings
09-96-59	High-Build Glazed Coatings
09-96-63	Textured Plastic Coatings
09-96-66	Aggregate Wall Coatings
<b>09-97-00</b>	<b>Special Coatings</b>
09-97-13	Steel Coatings
09-97-23	Concrete And Masonry Coatings
09-97-26	Cementitious Coatings

## **10-00-00 SPECIALTIES**

10-00-10	Specialties -- Subcontractors
<b>10-01-00</b>	<b>Operation And Maintenance Of Specialties</b>
10-01-10	Operation And Maintenance Of Information Specialties
10-01-20	Operation And Maintenance Of Interior Specialties
10-01-30	Operation And Maintenance Of Fireplaces And Stoves
10-01-40	Operation And Maintenance Of Safety Specialties
10-01-50	Operation And Maintenance Of Storage Specialties
10-01-70	Operation And Maintenance Of Exterior Specialties
10-01-80	Operation And Maintenance Of Other Specialties
<b>10-05-00</b>	<b>Common Work Results For Specialties</b>
<b>10-06-00</b>	<b>Schedules For Specialties</b>
10-06-10	Schedules For Information Specialties
10-06-20	Schedules For Interior Specialties
10-06-30	Schedules For Fireplaces And Stoves
10-06-40	Schedules For Safety Specialties
10-06-50	Schedules For Storage Specialties
10-06-70	Schedules For Exterior Specialties
10-06-80	Schedules For Other Specialties
<b>10-08-00</b>	<b>Commissioning Of Specialties</b>
<b>10-10-00</b>	<b>Information Specialties</b>

<b>10-11-00</b>	<b>Visual Display Surfaces</b>
10-11-13	Chalkboards
10-11-16	Markerboards
10-11-23	Tackboards
10-11-33	Sliding Visual Display Units
10-11-36	Visual Display Conference Units
10-11-39	Visual Display Rails
10-11-43	Visual Display Wall Panels
10-11-46	Visual Display Fabrics
<b>10-12-00</b>	<b>Display Cases</b>
<b>10-13-00</b>	<b>Directories</b>
10-13-13	Electronic Directories
<b>10-14-00</b>	<b>Signage</b>
10-14-16	Plaques
10-14-19	Dimensional Letter Signage
10-14-23	Panel Signage
10-14-26	Post And Panel/Pylon Signage
10-14-33	Illuminated Panel Signage
10-14-36	Non-Illuminated Panel Signage
10-14-43	Photoluminescent Signage
10-14-53	Traffic Signage
10-14-63	Electronic Message Signage
10-14-66	Floating Signage
<b>10-17-00</b>	<b>Telephone Specialties</b>
10-17-13	Telephone Directory Units
10-17-16	Telephone Enclosures
10-17-19	Telephone Shelving
<b>10-18-00</b>	<b>Informational Kiosks</b>
<b>10-20-00</b>	<b>Interior Specialties</b>
<b>10-21-00</b>	<b>Compartments And Cubicles</b>
10-21-13	Toilet Compartments
10-21-16	Shower And Dressing Compartments
10-21-23	Cubicles
<b>10-22-00</b>	<b>Partitions</b>
10-22-13	Wire Mesh Partitions
10-22-16	Folding Gates
10-22-19	Demountable Partitions
10-22-23	Portable Partitions, Screens, And Panels
10-22-26	Operable Partitions



<b>10-25-00</b>	<b>Service Walls</b>
10-25-13	Patient Bed Service Walls
10-25-16	Modular Service Walls
<b>10-26-00</b>	<b>Wall And Door Protection</b>
10-26-13	Corner Guards
10-26-16	Bumper Guards
10-26-23	Protective Wall Covering
10-26-33	Door And Frame Protection
<b>10-28-00</b>	<b>Toilet, Bath, And Laundry Accessories</b>
10-28-13	Toilet Accessories
10-28-16	Bath Accessories
10-28-19	Tub And Shower Doors
10-28-23	Laundry Accessories
<b>10-30-00</b>	<b>Fireplaces And Stoves</b>
<b>10-31-00</b>	<b>Manufactured Fireplaces</b>
10-31-13	Manufactured Fireplace Chimneys
10-31-16	Manufactured Fireplace Forms
<b>10-32-00</b>	<b>Fireplace Specialties</b>
10-32-13	Fireplace Dampers
10-32-16	Fireplace Inserts
10-32-19	Fireplace Screens
10-32-23	Fireplace Doors
10-32-26	Fireplace Water Heaters
<b>10-35-00</b>	<b>Stoves</b>
10-35-13	Heating Stoves
10-35-23	Cooking Stoves
<b>10-40-00</b>	<b>Safety Specialties</b>
<b>10-41-00</b>	<b>Emergency Access And Information Cabinets</b>
10-41-13	Fire Department Plan Cabinets
10-41-16	Emergency Key Cabinets
<b>10-43-00</b>	<b>Emergency Aid Specialties</b>
10-43-13	Defibrillator Cabinets
10-43-16	First Aid Cabinets
<b>10-44-00</b>	<b>Fire Protection Specialties</b>
10-44-13	Fire Extinguisher Cabinets
10-44-16	Fire Extinguishers
10-44-33	Fire Blankets And Cabinets
10-44-43	Fire Extinguisher Accessories
<b>10-50-00</b>	<b>Storage Specialties</b>

## **10-51-00**

- 10-51-13 Metal Lockers
- 10-51-16 Wood Lockers
- 10-51-23 Plastic -Laminate -Clad Lockers
- 10-51-26 Plastic Lockers
- 10-51-33 Glass Lockers
- 10-51-43 Wire Mesh Storage Lockers
- 10-51-53 Locker Room Benches

## **10-55-00**

### **Postal Specialties**

- 10-55-13 Central Mail Delivery Boxes
- 10-55-16 Mail Collection Boxes
- 10-55-19 Receiving Boxes
- 10-55-23 Mail Boxes
- 10-55-26 Parcel Lockers
- 10-55-33 Data Distribution Boxes
- 10-55-36 Package Depositories
- 10-55-91 Mail Chutes

## **10-56-00**

### **Storage Assemblies**

- 10-56-13 Metal Storage Shelving
- 10-56-16 Fabricated Wood Storage Shelving
- 10-56-19 Plastic Storage Shelving
- 10-56-23 Wire Storage Shelving
- 10-56-26 Mobile Storage Shelving
- 10-56-29 Storage Racks
- 10-56-33 Mercantile Storage Assemblies

## **10-57-00**

### **Wardrobe And Closet Specialties**

- 10-57-13 Hat And Coat Racks
- 10-57-23 Closet And Utility Shelving
- 10-57-33 Closet And Utility Shelving Hardware

## **10-60-00**

### **Unassigned**

## **10-70-00**

### **Exterior Specialties**

## **10-71-00**

### **Exterior Protection**

- 10-71-13 Exterior Sun Control Devices
- 10-71-16 Storm Panels

## **10-73-00**

### **Protective Covers**

- 10-73-13 Awnings
- 10-73-16 Canopies
- 10-73-23 Car Shelters
- 10-73-26 Walkway Coverings

10-73-33	Marquees
10-73-43	Transportation Stop Shelters
<b>10-74-00</b>	<b>Manufactured Exterior Specialties</b>
10-74-13	Exterior Clocks
10-74-23	Cupolas
10-74-26	Spires
10-74-29	Steeples
10-74-33	Weathervanes
10-74-43	Below-Grade Egress Assemblies
10-74-46	Window Wells
<b>10-75-00</b>	<b>Flagpoles</b>
10-75-13	Automatic Flagpoles
10-75-16	Ground-Set Flagpoles
10-75-19	Nautical Flagpoles
10-75-23	Wall-Mounted Flagpoles
<b>10-80-00</b>	<b>Other Specialties</b>
<b>10-81-00</b>	<b>Pest Control Devices</b>
10-81-13	Bird Control Devices
10-81-16	Insect Control Devices
10-81-19	Rodent Control Devices
<b>10-82-00</b>	<b>Grilles And Screens</b>
10-82-13	Exterior Grilles And Screens
10-82-23	Interior Grilles And Screens
<b>10-83-00</b>	<b>Flags And Banners</b>
10-83-13	Flags
10-83-16	Banners
<b>10-86-00</b>	<b>Security Mirrors And Domes</b>
<b>10-88-00</b>	<b>Scales</b>
10-90-00	Unassigned

## **11-00-00 EQUIPMENT**

11-00-10	Equipment -- Subcontractors
<b>11-01-00</b>	<b>Operation And Maintenance Of Equipment</b>
11-01-10	Operation And Maintenance Of Vehicle And Pedestrian Equipment
11-01-15	Operation And Maintenance Of Security, Bank, And Detention Equipment
11-01-20	Operation And Maintenance Of Commercial Equipment
11-01-30	Operation And Maintenance Of Residential Equipment
11-01-40	Operation And Maintenance Of Foodservice Equipment
11-01-50	Operation And Maintenance Of Educational And Scientific Equipment

11-01-56	Operation And Maintenance Of Observatory Equipment
11-01-60	Operation And Maintenance Of Entertainment Equipment
11-01-65	Operation And Maintenance Of Athletic And Recreational Equipment
11-01-70	Operation And Maintenance Of Healthcare Equipment
11-01-80	Operation And Maintenance Of Collection And Disposal Equipment
11-01-90	Operation And Maintenance Of Other Equipment
<b>11-05-00</b>	<b>Common Work Results For Equipment</b>
<b>11-06-00</b>	<b>Schedules For Equipment</b>
11-06-10	Schedules For Vehicle And Pedestrian Equipment
11-06-15	Schedules For Security, Bank, And Detention Equipment
11-06-20	Schedules For Commercial Equipment
11-06-30	Schedules For Residential Equipment
11-06-40	Schedules For Foodservice Equipment
11-06-50	Schedules For Educational And Scientific Equipment
11-06-60	Schedules For Entertainment Equipment
11-06-65	Schedules For Athletic And Recreational Equipment
11-06-70	Schedules For Healthcare Equipment
11-06-80	Schedules For Collection And Disposal Equipment
11-06-90	Schedules For Other Equipment
<b>11-08-00</b>	<b>Commissioning Of Equipment</b>
<b>11-10-00</b>	<b>Vehicle And Pedestrian Equipment</b>
<b>11-11-00</b>	<b>Vehicle Service Equipment</b>
11-11-13	Compressed -Air Vehicle Service Equipment
11-11-19	Vehicle Lubrication Equipment
11-11-23	Tire-Changing Equipment
11-11-26	Vehicle -Washing Equipment
<b>11-12-00</b>	<b>Parking Control Equipment</b>
11-12-13	Parking Key And Card Control Units
11-12-16	Parking Ticket Dispensers
11-12-23	Parking Meters
11-12-26	Parking Fee Collection Equipment
11-12-33	Parking Gates
<b>11-13-00</b>	<b>Loading Dock Equipment</b>
11-13-13	Loading Dock Bumpers
11-13-16	Loading Dock Seals and Shelters
11-13-19	Stationary Loading Dock Equipment
11-13-23	Portable Dock Equipment
11-13-26	Loading Dock Lights
<b>11-14-00</b>	<b>Pedestrian Control Equipment</b>

11-14-13	Pedestrian Gates
11-14-16	Money-Changing Equipment
11-14-26	Pedestrian Fare Collection Equipment
11-14-43	Pedestrian Detection Equipment
11-14-53	Pedestrian Security Equipment
<b>11-15-00</b>	<b>Security, Detention And Banking Equipment</b>
<b>11-16-00</b>	<b>Vault Equipment</b>
11-16-13	Safe Deposit Boxes
11-16-16	Safes
11-16-23	Vault Ventilators
<b>11-17-00</b>	<b>Teller And Service Equipment</b>
11-17-13	Teller Equipment Systems
11-17-16	Automatic Banking Systems
11-17-23	Money Handling Equipment
11-17-33	Money Cart Pass-Through
11-17-36	Package Transfer Units
<b>11-18-00</b>	<b>Security Equipment</b>
11-18-13	Deal Drawers
11-18-16	Gun Ports
11-18-23	Valuable Material Storage
<b>11-19-00</b>	<b>Detention Equipment</b>
11-19-13	Detention Pass-Through Doors
11-19-16	Detention Gun Lockers
<b>11-20-00</b>	<b>Commercial Equipment</b>
<b>11-21-00</b>	<b>Mercantile And Service Equipment</b>
11-21-13	Cash Registers And Checking Equipment
11-21-23	Vending Equipment
11-21-33	Checkroom Equipment
11-21-43	Weighing And Wrapping Equipment
11-21-53	Barber And Beauty Shop Equipment
<b>11-22-00</b>	<b>Refrigerated Display Equipment</b>
<b>11-23-00</b>	<b>Commercial Laundry And Dry Cleaning Equipment</b>
11-23-13	Dry Cleaning Equipment
11-23-16	Drying And Conditioning Equipment
11-23-19	Finishing Equipment
11-23-23	Commercial Ironing Equipment
11-23-26	Commercial Washers And Extractors
11-23-33	Coin-Operated Laundry Equipment
11-23-43	Hanging Garment Conveyors

<b>11-24-00</b>	<b>Maintenance Equipment</b>
11-24-13	Floor And Wall Cleaning Equipment
11-24-16	Housekeeping Carts
11-24-19	Vacuum Cleaning Systems
11-24-23	Window Washing Systems
<b>11-25-00</b>	<b>Hospitality Equipment</b>
11-25-13	Registration Equipment
<b>11-26-00</b>	<b>Unit Kitchens</b>
11-26-13	Metal Unit Kitchens
11-26-16	Wood Unit Kitchens
11-26-19	Plastic -Laminate -Clad Unit Kitchens
<b>11-27-00</b>	<b>Photographic Processing Equipment</b>
11-27-13	Darkroom Processing Equipment
11-27-16	Film Transfer Cabinets
<b>11-28-00</b>	<b>Office Equipment</b>
11-28-13	Computers
11-28-16	Printers
11-28-19	Self-Contained Facsimile Machines
11-28-23	Copiers
<b>11-29-00</b>	<b>Postal, Packaging, And Shipping Equipment</b>
11-29-23	Packaging Equipment
11-29-33	Shipping Equipment
11-29-55	Postal Equipment
<b>11-30-00</b>	<b>Residential Equipment</b>
<b>11-31-00</b>	<b>Residential Appliances</b>
11-31-13	Residential Kitchen Appliances
11-31-23	Residential Laundry Appliances
<b>11-33-00</b>	<b>Retractable Stairs</b>
<b>11-40-00</b>	<b>Foodservice Equipment</b>
<b>11-41-00</b>	<b>Food Storage Equipment</b>
11-41-13	Refrigerated Food Storage Cases
11-41-23	Walk-In Coolers
11-41-26	Walk-In Freezers
<b>11-42-00</b>	<b>Food Preparation Equipment</b>
<b>11-43-00</b>	<b>Food Delivery Carts And Conveyors</b>
11-43-13	Food Delivery Carts
11-43-16	Food Delivery Conveyors
<b>11-44-00</b>	<b>Food Cooking Equipment</b>
11-44-13	Commercial Ranges

11-44-16	Commercial Ovens
<b>11-46-00</b>	<b>Food Dispensing Equipment</b>
11-46-13	Bar Equipment
11-46-16	Service Line Equipment
11-46-19	Soda Fountain Equipment
<b>11-47-00</b>	<b>Ice Machines</b>
<b>11-48-00</b>	<b>Cleaning And Disposal Equipment</b>
11-48-13	Commercial Dishwashers
<b>11-50-00</b>	<b>Educational And Scientific Equipment</b>
<b>11-51-00</b>	<b>Library Equipment</b>
11-51-13	Automated Book Storage And Retrieval Systems
11-51-16	Book Depositories
11-51-19	Book Theft Protection Equipment
11-51-23	Library Stack Systems
<b>11-52-00</b>	<b>Audio-Visual Equipment</b>
11-52-13	Projection Screens
11-52-16	Projectors
11-52-19	Players And Recorders
<b>11-53-00</b>	<b>Laboratory Equipment</b>
11-53-13	Laboratory Fume Hoods
11-53-16	Laboratory Incubators
11-53-19	Laboratory Sterilizers
11-53-23	Laboratory Refrigerators
11-53-33	Emergency Safety Appliances
11-53-43	Service Fittings And Accessories
11-53-53	Biological Safety Cabinets
<b>11-55-00</b>	<b>Planetarium Equipment</b>
11-55-13	Planetarium Projectors
11-55-16	Planetarium Pendulums
<b>11-56-00</b>	<b>Observatory Equipment</b>
11-56-13	Telescopes
11-56-16	Telescope Mounts
11-56-19	Telescope Drive Mechanisms
11-56-23	Telescope Domes
<b>11-57-00</b>	<b>Vocational Shop Equipment</b>
<b>11-59-00</b>	<b>Exhibit Equipment</b>
<b>11-60-00</b>	<b>Entertainment Equipment</b>
<b>11-61-00</b>	<b>Theater And Stage Equipment</b>
11-61-13	Acoustical Shells

11-61-23	Folding And Portable Stages
11-61-33	Rigging Systems And Controls
11-61-43	Stage Curtains
<b>11-62-00</b>	<b>Musical Equipment</b>
11-62-13	Bells
11-62-16	Carillons
11-62-19	Organs
<b>11-65-00</b>	<b>Athletic And Recreational Equipment</b>
<b>11-66-00</b>	<b>Athletic Equipment</b>
11-66-13	Exercise Equipment
11-66-23	Gymnasium Equipment
11-66-43	Interior Scoreboards
11-66-53	Gymnasium Dividers
<b>11-67-00</b>	<b>Recreational Equipment</b>
11-67-13	Bowling Alley Equipment
11-67-23	Shooting Range Equipment
11-67-33	Climbing Walls
11-67-43	Table Games Equipment
11-67-53	Game Room Equipment
<b>11-68-00</b>	<b>Play Field Equipment And Structures</b>
11-68-13	Playground Equipment
11-68-16	Play Structures
11-68-23	Exterior Court Athletic Equipment
11-68-33	Athletic Field Equipment
11-68-43	Exterior Scoreboards
<b>11-70-00</b>	<b>Healthcare Equipment</b>
<b>11-71-00</b>	<b>Medical Sterilizing Equipment</b>
<b>11-72-00</b>	<b>Examination And Treatment Equipment</b>
11-72-13	Examination Equipment
11-72-53	Treatment Equipment
<b>11-73-00</b>	<b>Patient Care Equipment</b>
<b>11-74-00</b>	<b>Dental Equipment</b>
<b>11-75-00</b>	<b>Optical Equipment</b>
<b>11-76-00</b>	<b>Operating Room Equipment</b>
<b>11-77-00</b>	<b>Radiology Equipment</b>
<b>11-78-00</b>	<b>Mortuary Equipment</b>
11-78-13	Mortuary Refrigerators
11-78-16	Crematorium Equipment
11-78-19	Mortuary Lifts



<b>11-79-00</b>	<b>Therapy Equipment</b>
<b>11-80-00</b>	<b>Collection And Disposal Equipment</b>
<b>11-82-00</b>	<b>Solid Waste Handling Equipment</b>
11-82-13	Solid Waste Bins
11-82-19	Packaged Incinerators
11-82-23	Recycling Equipment
11-82-26	Waste Compactors And Destructors
11-82-29	Composting Equipment
<b>11-90-00</b>	<b>Other Equipment</b>
<b>11-91-00</b>	<b>Religious Equipment</b>
11-91-13	Baptisteries
<b>11-92-00</b>	<b>Agricultural Equipment</b>
11-92-13	Milkers
11-92-16	Stock Feeders
11-92-19	Stock Waterers
11-92-23	Agricultural Waste Clean -Up Equipment
<b>11-93-00</b>	<b>Horticultural Equipment</b>
11-93-13	Hydroponic Growing Systems
11-93-16	Seeders
11-93-19	Transplanters
11-93-23	Potting Machines
11-93-26	Flat Fillers
11-93-29	Baggers
11-93-33	Soil Mixers

## **12-00-00 FURNISHINGS**

12-00-10	Furnishings -- Subcontractors
<b>12-01-00</b>	<b>Operation And Maintenance Of Furnishings</b>
12-01-10	Operation And Maintenance Of Art
12-01-20	Operation And Maintenance Of Window Treatments
12-01-30	Operation And Maintenance Of Casework
12-01-40	Operation And Maintenance Of Furnishings And Accessories
12-01-50	Operation And Maintenance Of Furniture
12-01-60	Operation And Maintenance Of Multiple Seating
12-01-90	Operation And Maintenance Of Other Furnishings
<b>12-05-00</b>	<b>Common Work Results For Furnishings</b>
12-05-13	Fabrics
<b>12-06-00</b>	<b>Schedules For Furnishings</b>
12-06-10	Schedules For Art

12-06-20	Schedules For Window Treatments
12-06-30	Schedules For Casework
12-06-40	Schedules For Furnishings And Accessories
12-06-50	Schedules For Furniture
12-06-60	Schedules For Multiple Seating
12-06-90	Schedules For Other Furnishings
<b>12-08-00</b>	<b>Commissioning Of Furnishings</b>
<b>12-10-00</b>	<b>Art</b>
<b>12-11-00</b>	<b>Murals</b>
12-11-13	Photo Murals
12-11-16	Sculptured Brick Panels
12-11-23	Brick Murals
12-11-26	Ceramic Tile Murals
12-11-33	Trompe L'Oeil
<b>12-12-00</b>	<b>Wall Decorations</b>
12-12-13	Commissioned Paintings
12-12-16	Framed Paintings
12-12-19	Framed Prints
12-12-23	Tapestries
12-12-26	Wall Hangings
<b>12-14-00</b>	<b>Sculptures</b>
12-14-13	Carved Sculpture
12-14-16	Cast Sculpture
12-14-19	Constructed Sculpture
12-14-23	Relief Art
<b>12-17-00</b>	<b>Art Glass</b>
12-17-13	Etched Glass
12-17-16	Stained Glass
<b>12-19-00</b>	<b>Religious Art</b>
<b>12-20-00</b>	<b>Window Treatments</b>
<b>12-21-00</b>	<b>Window Blinds</b>
12-21-13	Horizontal Louver Blinds
12-21-16	Vertical Louver Blinds
12-21-23	Roll-Down Blinds
12-21-26	Black-Out Blinds
<b>12-22-00</b>	<b>Curtains And Drapes</b>
12-22-13	Draperies
12-22-16	Drapery Track And Accessories
<b>12-23-00</b>	<b>Interior Shutters</b>

<b>12-24-00</b>	<b>Window Shades</b>
12-24-13	Roller Window Shades
12-24-16	Pleated Window Shades
<b>12-25-00</b>	<b>Window Treatment Operating Hardware</b>
12-25-13	Motorized Drapery Rods
<b>12-30-00</b>	<b>Casework</b>
<b>12-31-00</b>	<b>Manufactured Metal Casework</b>
12-31-16	Manufactured Metal Sandwich Panel Casework
<b>12-32-00</b>	<b>Manufactured Wood Casework</b>
12-32-13	Manufactured Wood-Veneer-Faced Casework
12-32-16	Manufactured Plastic -Laminate -Clad Casework
<b>12-34-00</b>	<b>Manufactured Plastic Casework</b>
12-34-16	Manufactured Solid-Plastic Casework
<b>12-35-00</b>	<b>Specialty Casework</b>
12-35-17	Bank Casework
12-35-25	Hospitality Casework
12-35-30	Residential Casework
12-35-33	Utility Room Casework
12-35-50	Educational/Library Casework
12-35-53	Laboratory Casework
12-35-59	Display Casework
12-35-70	Healthcare Casework
12-35-91	Religious Casework
<b>12-36-00</b>	<b>Countertops</b>
12-36-13	Concrete Countertops
12-36-16	Metal Countertops
12-36-19	Wood Countertops
12-36-23	Plastic Countertops
12-36-40	Stone Countertops
12-36-53	Laboratory Countertops
12-36-61	Simulated Stone Countertops
<b>12-40-00</b>	<b>Furnishings And Accessories</b>
<b>12-41-00</b>	<b>Office Accessories</b>
12-41-13	Desk Accessories
<b>12-42-00</b>	<b>Table Accessories</b>
12-42-13	Ceramics
12-42-16	Flatware
12-42-19	Hollowware
12-42-23	Glassware

12-42-26	Table Linens
<b>12-43-00</b>	<b>Portable Lamps</b>
12-43-13	Lamps
<b>12-44-00</b>	<b>Bath Furnishings</b>
12-44-13	Bath Linens
12-44-16	Shower Curtains
<b>12-45-00</b>	<b>Bedroom Furnishings</b>
12-45-13	Bed Linens
12-45-16	Pillows
<b>12-46-00</b>	<b>Furnishing Accessories</b>
12-46-13	Ash Receptacles
12-46-16	Bowls
12-46-19	Clocks
12-46-23	Decorative Crafts
12-46-26	Decorative Screens
12-46-29	Vases
12-46-33	Waste Receptacles
<b>12-48-00</b>	<b>Rugs And Mats</b>
12-48-13	Entrance Floor Mats And Frames
12-48-16	Entrance Floor Grilles
12-48-19	Entrance Floor Gratings
12-48-23	Entrance Floor Grids
12-48-26	Entrance Tile
12-48-43	Floor Mats
12-48-53	Rugs
<b>12-50-00</b>	<b>Furniture</b>
<b>12-51-00</b>	<b>Office Furniture</b>
12-51-16	Case Goods
12-51-19	Filing Cabinets
12-51-83	Custom Office Furniture
<b>12-52-00</b>	<b>Seating</b>
12-52-13	Chairs
12-52-19	Upholstered Seating
12-52-23	Office Seating
12-52-70	Healthcare Seating
12-52-83	Custom Seating
<b>12-53-00</b>	<b>Retail Furniture</b>
12-53-83	Custom Retail Furniture
<b>12-54-00</b>	<b>Hospitality Furniture</b>

12-54-13	Hotel And Motel Furniture
12-54-16	Restaurant Furniture
12-54-83	Custom Hospitality Furniture
<b>12-55-00</b>	<b>Detention Furniture</b>
12-55-13	Detention Bunks
12-55-16	Detention Desks
12-55-19	Detention Stools
12-55-23	Detention Tables
12-55-26	Detention Safety Clothes Hooks
12-55-83	Custom Detention Furniture
<b>12-56-00</b>	<b>Institutional Furniture</b>
12-56-33	Classroom Furniture
12-56-39	Lecterns
12-56-43	Dormitory Furniture
12-56-51	Library Furniture
12-56-52	Audio-Visual Furniture
12-56-53	Laboratory Furniture
12-56-70	Healthcare Furniture
12-56-83	Custom Institutional Furniture
<b>12-57-00</b>	<b>Industrial Furniture</b>
12-57-13	Welding Benches
12-57-16	Welding Screens
12-57-83	Custom Industrial Furniture
<b>12-58-00</b>	<b>Residential Furniture</b>
12-58-13	Couches And Loveseats
12-58-16	Residential Chairs
12-58-19	Dining Tables And Chairs
12-58-23	Coffee Tables
12-58-26	Entertainment Centers
12-58-29	Beds
12-58-33	Dressers
12-58-36	Nightstands
12-58-83	Custom Residential Furniture
<b>12-59-00</b>	<b>Systems Furniture</b>
12-59-13	Panel-Hung Component System Furniture
12-59-16	Free-Standing Component System Furniture
12-59-19	Beam System Furniture
12-59-23	Desk System Furniture
12-59-83	Custom Systems Furniture

## **12-60-00**

### **Multiple Seating**

## **12-61-00**

### **Fixed Audience Seating**

12-61-13

Upholstered Audience Seating

12-61-16

Molded -Plastic Audience Seating

## **12-62-00**

### **Portable Audience Seating**

12-62-13

Folding Chairs

12-62-16

Interlocking Chairs

12-62-19

Stacking Chairs

## **12-63-00**

### **Stadium And Arena Seating**

12-63-13

Stadium And Arena Bench Seating

12-63-23

Stadium And Arena Seats

## **12-64-00**

### **Booths And Tables**

## **12-65-00**

### **Multiple-Use Fixed Seating**

## **12-66-00**

### **Telescoping Stands**

12-66-13

Telescoping Bleachers

12-66-23

Telescoping Chair Platforms

## **12-67-00**

### **Pews And Benches**

12-67-13

Pews

12-67-23

Benches

## **12-68-00**

### **Seat And Table Assemblies**

12-68-13

Pedestal Tablet Arm Chairs

## **12-70-00**

Unassigned

## **12-80-00**

Unassigned

## **12-90-00**

### **Other Furnishings**

## **12-92-00**

### **Interior Planters And Artificial Plants**

12-92-13

Interior Artificial Plants

12-92-33

Interior Planters

12-92-43

Interior Landscaping Accessories

## **12-93-00**

### **Site Furnishings**

12-93-13

Bicycle Racks

12-93-23

Trash And Litter Receptors

12-93-33

Manufactured Planters

12-93-43

Site Seating And Tables

## **13-00-00 SPECIAL CONSTRUCTION**

13-00-10

Special Construction -- Subcontractors

## **13-01-00**

### **Operation And Maintenance Of Special Construction**

13-01-10

Operation And Maintenance Of Special Facility Components

13-01-11

Operation And Maintenance Of Swimming Pools

Construction Administration

CSI Master List (Rev 2013)

13-01-12	Operation And Maintenance Of Fountains
13-01-13	Operation And Maintenance Of Aquariums
13-01-14	Operation And Maintenance Of Amusement Park Structures And Equipment
13-01-18	Operation And Maintenance Of Ice Rinks
13-01-20	Operation And Maintenance Of Special Purpose Rooms
13-01-21	Operation And Maintenance Of Controlled Environment Rooms
13-01-23	Operation And Maintenance Of Planetariums
13-01-30	Operation And Maintenance Of Special Structures
13-01-40	Operation And Maintenance Of Integrated Construction
13-01-49	Operation And Maintenance Of Radiation Protection
13-01-50	Operation And Maintenance Of Special Instrumentation
13-01-51	Operation And Maintenance Of Stress Instrumentation
13-01-52	Operation And Maintenance Of Seismic Instrumentation
13-01-53	Operation And Maintenance Of Meteorological Instrumentation
<b>13-05-00</b>	<b>Common Work Results For Special Construction</b>
<b>13-06-00</b>	<b>Schedules For Special Construction</b>
13-06-10	Schedules For Special Facility Components
13-06-20	Schedules For Special Purpose Rooms
13-06-30	Schedules For Special Structures
13-06-40	Schedules For Integrated Construction
13-06-50	Schedules For Special Instrumentation
<b>13-08-00</b>	<b>Commissioning Of Special Construction</b>
13-08-10	Commissioning Of Special Facility Components
13-08-11	Commissioning Of Swimming Pools
13-08-12	Commissioning Of Fountains
13-08-13	Commissioning Of Aquariums
13-08-14	Commissioning Of Amusement Park Structures And Equipment
13-08-18	Commissioning Of Ice Rinks
13-08-20	Commissioning Of Special Purpose Rooms
13-08-21	Commissioning Of Controlled Environment Rooms
13-08-23	Commissioning Of Planetariums
13-08-30	Commissioning Of Special Structures
13-08-40	Commissioning Of Integrated Construction
13-08-50	Commissioning Of Special Instrumentation
<b>13-10-00</b>	<b>Special Facility Components</b>
<b>13-11-00</b>	<b>Swimming Pools</b>
13-11-13	Below-Grade Swimming Pools
13-11-23	On-Grade Swimming Pools
13-11-33	Elevated Swimming Pools

13-11-43	Recirculating Gutter Systems
13-11-46	Swimming Pool Accessories
13-11-49	Swimming Pool Cleaning Equipment
13-11-53	Movable Pool Bulkheads
13-11-56	Movable Pool Floors
<b>13-12-00</b>	<b>Fountains</b>
13-12-13	Exterior Fountains
13-12-23	Interior Fountains
<b>13-13-00</b>	<b>Aquariums</b>
<b>13-14-00</b>	<b>Amusement Park Structures And Equipment</b>
13-14-13	Water Slides
13-14-16	Wave Generating Equipment
13-14-23	Amusement Park Rides
<b>13-17-00</b>	<b>Tubs And Pools</b>
13-17-13	Hot Tubs
13-17-23	Therapeutic Pools
13-17-33	Whirlpool Tubs
<b>13-18-00</b>	<b>Ice Rinks</b>
13-18-13	Ice Rink Floor Systems
13-18-16	Ice Rink Dasher Boards
<b>13-19-00</b>	<b>Kennels And Animal Shelters</b>
13-19-13	Kennel Enclosures And Gates
13-19-16	Kennel Feeding Devices
<b>13-20-00</b>	<b>Special Purpose Rooms</b>
<b>13-21-00</b>	<b>Controlled Environment Rooms</b>
13-21-13	Clean Rooms
13-21-16	Hyperbaric Rooms
13-21-23	Insulated Rooms
13-21-26	Cold Storage Rooms
13-21-29	Constant Temperature Rooms
13-21-48	Sound-Conditioned Rooms
<b>13-22-00</b>	<b>Office Shelters And Booths</b>
<b>13-23-00</b>	<b>Planetariums</b>
<b>13-24-00</b>	<b>Special Activity Rooms</b>
13-24-16	Saunas
13-24-26	Steam Baths
13-24-66	Athletic Rooms
<b>13-26-00</b>	<b>Fabricated Rooms</b>
<b>13-27-00</b>	<b>Vaults</b>



13-27-16	Modular Fire Vaults
13-27-53	Security Vaults
<b>13-28-00</b>	<b>Athletic And Recreational Special Construction</b>
13-28-13	Indoor Soccer Boards
13-28-16	Safety Netting
13-28-19	Arena Football Boards
13-28-26	Floor Sockets
13-28-33	Athletic And Recreational Court Walls
13-28-66	Demountable Athletic Surfaces
<b>13-30-00</b>	<b>Special Structures</b>
<b>13-31-00</b>	<b>Fabric Structures</b>
13-31-13	Air-Supported Fabric Structures
13-31-23	Tensioned Fabric Structures
13-31-33	Framed Fabric Structures
<b>13-32-00</b>	<b>Space Frames</b>
13-32-13	Metal Space Frames
13-32-23	Wood Space Frames
<b>13-33-00</b>	<b>Geodesic Structures</b>
13-33-13	Geodesic Domes
<b>13-34-00</b>	<b>Fabricated Engineered Structures</b>
13-34-13	Glazed Structures
13-34-16	Grandstands And Bleachers
13-34-19	Metal Building Systems
13-34-23	Fabricated Structures
13-34-56	Observatories
<b>13-36-00</b>	<b>Towers</b>
13-36-13	Metal Towers
13-36-23	Wood Towers
<b>13-40-00</b>	<b>Integrated Construction</b>
<b>13-42-00</b>	<b>Building Modules</b>
13-42-25	Hospitality Unit Modules
13-42-33	Apartment Unit Modules
13-42-43	Dormitory Unit Modules
13-42-63	Detention Cell Modules
<b>13-44-00</b>	<b>Modular Mezzanines</b>
<b>13-48-00</b>	<b>Sound, Vibration, And Seismic Control</b>
13-48-13	Manufactured Sound And Vibration Control Components
13-48-23	Fabricated Sound And Vibration Control Assemblies
13-48-53	Manufactured Seismic Control Components

13-48-63	Fabricated Seismic Control Assemblies
<b>13-49-00</b>	<b>Radiation Protection</b>
13-49-13	Lead Sheet
13-49-16	Lead Bricks
13-49-19	Lead-Lined Materials
13-49-23	Modular Shielding Partitions
<b>13-50-00</b>	<b>Special Instrumentation</b>
<b>13-51-00</b>	<b>Stress Instrumentation</b>
<b>13-52-00</b>	<b>Seismic Instrumentation</b>
<b>13-53-00</b>	<b>Meteorological Instrumentation</b>
13-53-13	Solar Instrumentation
13-53-23	Wind Instrumentation
<b>13-60-00</b>	<b>Unassigned</b>
<b>13-70-00</b>	<b>Unassigned</b>
<b>13-80-00</b>	<b>Unassigned</b>
<b>13-90-00</b>	<b>Unassigned</b>

## **14-00-00 CONVEYING EQUIPMENT**

14-00-10	Conveying Equipment -- Subcontractors
<b>14-01-00</b>	<b>Operation And Maintenance Of Conveying Equipment</b>
14-01-10	Operation And Maintenance Of Dumbwaiters
14-01-20	Operation And Maintenance Of Elevators
14-01-30	Operation And Maintenance Of Escalators And Moving Walks
14-01-40	Operation And Maintenance Of Lifts
14-01-70	Operation And Maintenance Of Turntables
14-01-80	Operation And Maintenance Of Scaffolding
14-01-90	Operation And Maintenance Of Other Conveying Equipment
<b>14-05-00</b>	<b>Common Work Results For Conveying Equipment</b>
<b>14-06-00</b>	<b>Schedules For Conveying Equipment</b>
14-06-10	Schedules For Dumbwaiters
14-06-20	Schedules For Elevators
14-06-30	Schedules For Escalators And Moving Walks
14-06-40	Schedules For Lifts
14-06-70	Schedules For Turntables
14-06-80	Schedules For Scaffolding
14-06-90	Schedules For Other Conveying Equipment
<b>14-08-00</b>	<b>Commissioning Of Conveying Equipment</b>
14-08-10	Commissioning Of Dumbwaiters
14-08-20	Commissioning Of Elevators

14-08-30	Commissioning Of Escalators And Moving Walks
14-08-40	Commissioning Of Lifts
14-08-70	Commissioning Of Turntables
14-08-80	Commissioning Of Scaffolding
<b>14-10-00</b>	<b>Dumbwaiters</b>
<b>14-11-00</b>	<b>Manual Dumbwaiters</b>
<b>14-12-00</b>	<b>Electric Dumbwaiters</b>
<b>14-14-00</b>	<b>Hydraulic Dumbwaiters</b>
<b>14-20-00</b>	<b>Elevators</b>
<b>14-21-00</b>	<b>Electric Traction Elevators</b>
14-21-13	Electric Traction Freight Elevators
14-21-23	Electric Traction Passenger Elevators
14-21-33	Electric Traction Residential Elevators
14-21-43	Electric Traction Service Elevators
<b>14-24-00</b>	<b>Hydraulic Elevators</b>
14-24-13	Hydraulic Freight Elevators
14-24-23	Hydraulic Passenger Elevators
14-24-33	Hydraulic Residential Elevators
14-24-43	Hydraulic Service Elevators
<b>14-26-00</b>	<b>Limited-Use/Limited-Application Elevators</b>
<b>14-27-00</b>	<b>Custom Elevator Cabs</b>
14-27-13	Custom Elevator Cab Finishes
<b>14-28-00</b>	<b>Elevator Equipment And Controls</b>
14-28-13	Elevator Doors
14-28-16	Elevator Controls
14-28-19	Elevator Equipment
<b>14-30-00</b>	<b>Escalators And Moving Walks</b>
<b>14-31-00</b>	<b>Escalators</b>
<b>14-32-00</b>	<b>Moving Walks</b>
14-33-00	Moving Ramps
14-33-13	Motorized Ramps
14-33-16	Powered Ramps
<b>14-40-00</b>	<b>Lifts</b>
<b>14-41-00</b>	<b>People Lifts</b>
14-41-13	Counterbalanced People Lifts
14-41-16	Endless-Belt People Lifts
<b>14-42-00</b>	<b>Wheelchair Lifts</b>
14-42-13	Inclined Wheelchair Lifts
14-42-16	Vertical Wheelchair Lifts

<b>14-43-00</b>	<b>Platform Lifts</b>
14-43-13	Orchestra Lifts
14-43-16	Stage Lifts
<b>14-44-00</b>	<b>Sidewalk Lifts</b>
<b>14-45-00</b>	<b>Vehicle Lifts</b>
<b>14-50-00</b>	<b>Unassigned</b>
<b>14-60-00</b>	<b>Unassigned</b>
<b>14-70-00</b>	<b>Turntables</b>
<b>14-71-00</b>	<b>Industrial Turntables</b>
14-71-11	Vehicle Turntables
<b>14-72-00</b>	<b>Hospitality Turntables</b>
14-72-25	Restaurant Turntables
<b>14-73-00</b>	<b>Exhibit Turntables</b>
14-73-59	Display Turntables
<b>14-74-00</b>	<b>Entertainment Turntables</b>
14-74-61	Stage Turntables
<b>14-80-00</b>	<b>Scaffolding</b>
<b>14-81-00</b>	<b>Suspended Scaffolding</b>
14-81-13	Beam Scaffolding
14-81-16	Carriage Scaffolding
14-81-19	Hook Scaffolding
<b>14-82-00</b>	<b>Rope Climbers</b>
14-82-13	Manual Rope Climbers
14-82-16	Powered Rope Climbers
<b>14-83-00</b>	<b>Elevating Platforms</b>
14-83-13	Telescoping Platform Lifts
14-83-16	Scissor Lift Platforms
14-83-19	Multi -Axis Platform Lifts
<b>14-84-00</b>	<b>Powered Scaffolding</b>
14-84-13	Window Washing Scaffolding
14-84-23	Window Washing Hoists
<b>14-90-00</b>	<b>Other Conveying Equipment</b>
<b>14-91-00</b>	<b>Facility Chutes</b>
14-91-13	Coal Chutes
14-91-23	Escape Chutes
14-91-33	Laundry And Linen Chutes
14-91-82	Trash Chutes
<b>14-92-00</b>	<b>Pneumatic Tube Systems</b>

## 21-00-00 FIRE SUPPRESSION

21-00-10	Fire Suppression -- Subcontractors
<b>21-01-00</b>	<b>Operation And Maintenance Of Fire Suppression</b>
21-01-10	Operation And Maintenance Of Water-Based Fire-Suppression Systems
21-01-20	Operation And Maintenance Of Fire-Extinguishing Systems
21-01-30	Operation And Maintenance Of Fire-Suppression Equipment
<b>21-05-00</b>	<b>Common Work Results For Fire Suppression</b>
21-05-13	Common Motor Requirements For Fire-Suppression Equipment
21-05-16	Expansion Fittings And Loops For Fire -Suppression Piping
21-05-19	Meters And Gages For Fire -Suppression Systems
21-05-23	General-Duty Valves For Water-Based Fire-Suppression Piping
21-05-29	Hangers And Supports For Fire-Suppression Piping And Equipment
21-05-33	Heat Tracing For Fire -Suppression Piping
21-05-48	Vibration And Seismic Controls For Fire-Suppression Piping And Equipme
21-05-53	Identification For Fire-Suppression Piping And Equipment
<b>21-06-00</b>	<b>Schedules For Fire Suppression</b>
21-06-10	Schedules For Water-Based Fire -Suppression Systems
21-06-20	Schedules For Fire-Extinguishing Systems
21-06-30	Schedules For Fire-Suppression Equipment
<b>21-07-00</b>	<b>Fire Suppression Systems Insulation</b>
21-07-16	Fire-Suppression Equipment Insulation
21-07-19	Fire-Suppression Piping Insulation
<b>21-08-00</b>	<b>Commissioning Of Fire Suppression</b>
<b>21-09-00</b>	<b>Instrumentation And Control For Fire-Suppression Systems</b>
<b>21-10-00</b>	<b>Water-Based Fire-Suppression Systems</b>
<b>21-11-00</b>	<b>Facility Fire-Suppression Water-Service Piping</b>
21-11-16	Facility Fire Hydrants
21-11-19	Fire-Department Connections
<b>21-12-00</b>	<b>Fire-Suppression Standpipes</b>
21-12-13	Fire-Suppression Hoses And Nozzles
21-12-16	Fire-Suppression Hose Reels
21-12-19	Fire-Suppression Hose Racks
21-12-23	Fire-Suppression Hose Valves
21-12-26	Fire-Suppression Valve And Hose Cabinets
<b>21-13-00</b>	<b>Fire-Suppression Sprinkler Systems</b>
21-13-13	Wet-Pipe Sprinkler Systems
21-13-16	Dry-Pipe Sprinkler Systems
21-13-19	Preaction Sprinkler Systems

21-13-23	Combined Dry-Pipe And Preaction Sprinkler Systems
21-13-26	Deluge Fire-Suppression Sprinkler Systems
21-13-29	Water Spray Fixed Systems
21-13-36	Antifreeze Sprinkler Systems
21-13-39	Foam -Water Systems
<b>21-20-00</b>	<b>Fire-Extinguishing Systems</b>
<b>21-21-00</b>	<b>Carbon-Dioxide Fire-Extinguishing Systems</b>
21-21-13	Carbon -Dioxide Fire-Extinguishing Piping
21-21-16	Carbon -Dioxide Fire-Extinguishing Equipment
<b>21-22-00</b>	<b>Clean-Agent Fire-Extinguishing Systems</b>
21-22-13	Clean -Agent Fire-Extinguishing Piping
21-22-16	Clean -Agent Fire-Extinguishing Equipment
<b>21-23-00</b>	<b>Wet-Chemical Fire-Extinguishing Systems</b>
21-23-13	Wet-Chemical Fire-Extinguishing Piping
21-23-16	Wet-Chemical Fire-Extinguishing Equipment
<b>21-24-00</b>	<b>Dry-Chemical Fire-Extinguishing Systems</b>
21-24-13	Dry-Chemical Fire-Extinguishing Piping
21-24-16	Dry-Chemical Fire-Extinguishing Equipment
<b>21-30-00</b>	<b>Fire Pumps</b>
<b>21-31-00</b>	<b>Centrifugal Fire Pumps</b>
21-31-13	Electric -Drive, Centrifugal Fire Pumps
21-31-16	Diesel -Drive, Centrifugal Fire Pumps
<b>21-32-00</b>	<b>Vertical -Turbine Fire Pumps</b>
21-32-13	Electric -Drive, Vertical-Turbine Fire Pumps
21-32-16	Diesel -Drive, Vertical-Turbine Fire Pumps
<b>21-33-00</b>	<b>Positive-Displacement Fire Pumps</b>
21-33-13	Electric -Drive, Positive -Displacement Fire Pumps
21-33-16	Diesel -Drive, Positive -Displacement Fire Pumps
<b>21-40-00</b>	<b>Fire-Suppression Water Storage</b>
<b>21-41-00</b>	<b>Storage Tanks For Fire-Suppression Water</b>
21-41-13	Pressurized Storage Tanks For Fire-Suppression Water
21-41-16	Elevated Storage Tanks For Fire-Suppression Water
21-41-19	Roof-Mounted Storage Tanks For Fire -Suppression Water
21-41-23	Ground Suction Storage Tanks For Fire-Suppression Water
21-41-26	Underground Storage Tanks For Fire -Suppression Water
21-41-29	Storage Tanks For Fire-Suppression Water Additives
<b>21-50-00</b>	<b>Unassigned</b>
<b>21-60-00</b>	<b>Unassigned</b>
<b>21-70-00</b>	<b>Unassigned</b>

21-80-00

Unassigned

21-90-00

Unassigned

## 22-00-00 PLUMBING

22-00-10

Plumbing -- Subcontractors

**22-01-00**

**Operation And Maintenance Of Plumbing**

22-01-10

Operation And Maintenance Of Plumbing Piping And Pumps

22-01-30

Operation And Maintenance Of Plumbing Equipment

22-01-40

Operation And Maintenance Of Plumbing Fixtures

22-01-50

Operation And Maintenance Of Pool And Fountain Plumbing Systems

22-01-60

Operation And Maintenance Of Laboratory And Healthcare Systems

**22-05-00**

**Common Work Results For Plumbing**

22-05-13

Common Motor Requirements For Plumbing Equipment

22-05-16

Expansion Fittings And Loops For Plumbing Piping

22-05-19

Meters And Gages For Plumbing Piping

22-05-23

General-Duty Valves For Plumbing Piping

22-05-29

Hangers And Supports For Plumbing Piping And Equipment

22-05-33

Heat Tracing For Plumbing Piping

22-05-48

Vibration And Seismic Controls For Plumbing Piping And Equipment

22-05-53

Identification For Plumbing Piping And Equipment

22-05-73

Facility Drainage Manholes

22-05-76

Facility Drainage Piping Cleanouts

**22-06-00**

**Schedules For Plumbing**

22-06-10

Schedules For Plumbing Piping And Pumps

22-06-12

Schedules For Facility Potable Water Storage

22-06-15

Schedules For General Service Compressed-Air Equipment

22-06-30

Schedules For Plumbing Equipment

22-06-40

Schedules For Plumbing Fixtures

22-06-50

Schedules For Pool And Fountain Plumbing Systems

22-06-60

Schedules For Laboratory And Healthcare Systems

**22-07-00**

**Plumbing Insulation**

22-07-16

Plumbing Equipment Insulation

22-07-19

Plumbing Piping Insulation

**22-08-00**

**Commissioning Of Plumbing**

**22-09-00**

**Instrumentation And Control For Plumbing**

**22-10-00**

**Plumbing Piping And Pumps**

**22-11-00**

**Facility Water Distribution**

22-11-13

Facility Water Distribution Piping

22-11-16

Domestic Water Piping

22-11-19	Domestic Water Piping Specialties
22-11-23	Domestic Water Pumps
<b>22-12-00</b>	<b>Facility Potable-Water Storage Tanks</b>
22-12-13	Facility Roof-Mounted, Potable-Water Storage Tanks
22-12-16	Facility Elevated, Potable-Water Storage Tanks
22-12-19	Facility Ground-Mounted, Potable -Water Storage Tanks
22-12-23	Facility Indoor Potable-Water Storage Tanks
<b>22-13-00</b>	<b>Facility Sanitary Sewerage</b>
22-13-13	Facility Sanitary Sewers
22-13-16	Sanitary Waste And Vent Piping
22-13-19	Sanitary Waste Piping Specialties
22-13-23	Sanitary Waste Interceptors
22-13-26	Sanitary Waste Separators
22-13-29	Sanitary Sewerage Pumps
22-13-33	Packaged, Submersible Sewerage Pump Units
22-13-36	Packaged, Wastewater Pump Units
22-13-43	Facility Packaged Sewage Pumping Stations
22-13-53	Facility Septic Tanks
<b>22-14-00</b>	<b>Facility Storm Drainage</b>
22-14-13	Facility Storm Drainage Piping
22-14-16	Rainwater Leaders
22-14-19	Sump Pump Discharge Piping
22-14-23	Storm Drainage Piping Specialties
22-14-26	Facility Storm Drains
22-14-29	Sump Pumps
22-14-33	Packaged, Pedestal Drainage Pump Units
22-14-36	Packaged, Submersible, Drainage Pump Units
<b>22-15-00</b>	<b>General Service Compressed -Air Systems</b>
22-15-13	General Service Compressed-Air Piping
22-15-16	General Service Compressed-Air Valves
22-15-19	General Service Packaged Air Compressors And Receivers
<b>22-20-00</b>	<b>Unassigned</b>
<b>22-30-00</b>	<b>Plumbing Equipment</b>
<b>22-31-00</b>	<b>Domestic Water Softeners</b>
22-31-13	Residential Domestic Water Softeners
22-31-16	Commercial Domestic Water Softeners
<b>22-32-00</b>	<b>Domestic Water Filtration Equipment</b>
22-32-13	Domestic -Water Bag-Type Filters
22-32-16	Domestic -Water Freestanding Cartridge Filters



22-32-19	Domestic -Water Off-Floor Cartridge Filters
22-32-23	Domestic -Water Carbon Filters
22-32-26	Domestic -Water Sand Filters
<b>22-33-00</b>	<b>Electric Domestic Water Heaters</b>
22-33-13	Instantaneous Electric Domestic Water Heaters
22-33-30	Residential, Electric Domestic Water Heaters
22-33-33	Light-Commercial Electric Domestic Water Heaters
22-33-36	Commercial Domestic Water Electric Booster Heaters
<b>22-34-00</b>	<b>Fuel -Fired Domestic Water Heaters</b>
22-34-13	Instantaneous, Tankless, Gas Domestic Water Heaters
22-34-30	Residential Gas Domestic Water Heaters
22-34-36	Commercial Gas Domestic Water Heaters
22-34-46	Oil-Fired Domestic Water Heaters
22-34-56	Dual-Fuel-Fired Domestic Water Heaters
<b>22-35-00</b>	<b>Domestic Water Heat Exchangers</b>
22-35-13	Instantaneous Domestic Water Heat Exchangers
22-35-23	Circulating, Domestic Water Heat Exchangers
22-35-29	Noncirculating, Domestic Water Heat Exchangers
22-35-36	Domestic Water Brazed-Plate Heat Exchangers
22-35-39	Domestic Water Frame-And-Plate Heat Exchangers
22-35-43	Domestic Water Heat Reclaimers
<b>22-40-00</b>	<b>Plumbing Fixtures</b>
<b>22-41-00</b>	<b>Residential Plumbing Fixtures</b>
22-41-13	Residential Water Closets, Urinals, And Bidets
22-41-16	Residential Lavatories And Sinks
22-41-19	Residential Bathtubs
22-41-23	Residential Shower Receptors And Basins
22-41-26	Residential Disposers
22-41-36	Residential Laundry Trays
22-41-39	Residential Faucets, Supplies, And Trim
<b>22-42-00</b>	<b>Commercial Plumbing Fixtures</b>
22-42-13	Commercial Water Closets, Urinals, And Bidets
22-42-16	Commercial Lavatories And Sinks
22-42-19	Commercial Bathtubs
22-42-23	Commercial Shower Receptors And Basins
22-42-26	Commercial Disposers
22-42-29	Shampoo Bowls
22-42-33	Wash Fountains
22-42-36	Commercial Laundry Trays

22-42-39	Commercial Faucets, Supplies, And Trim
22-42-43	Flushometers
<b>22-43-00</b>	<b>Healthcare Plumbing Fixtures</b>
22-43-13	Healthcare Water Closets
22-43-16	Healthcare Sinks
22-43-19	Healthcare Bathtubs And Showers
22-43-23	Healthcare Shower Receptors And Basins
22-43-39	Healthcare Faucets
22-43-43	Healthcare Plumbing Fixture Flushometers
<b>22-45-00</b>	<b>Emergency Plumbing Fixtures</b>
22-45-13	Emergency Showers
22-45-16	Eyewash Equipment
22-45-19	Self-Contained Eyewash Equipment
22-45-23	Personal Eyewash Equipment
22-45-26	Eye/Face Wash Equipment
22-45-29	Hand-Held Emergency Drench Hoses
22-45-33	Combination Emergency Fixture Units
22-45-36	Emergency Fixture Water-Tempering Equipment
<b>22-46-00</b>	<b>Security Plumbing Fixtures</b>
22-46-13	Security Water Closets And Urinals
22-46-16	Security Lavatories And Sinks
22-46-39	Security Faucets, Supplies, And Trim
22-46-43	Security Plumbing Fixture Flushometers
22-46-53	Security Plumbing Fixture Supports
<b>22-47-00</b>	<b>Drinking Fountains And Water Coolers</b>
22-47-13	Drinking Fountains
22-47-16	Pressure Water Coolers
22-47-19	Water-Station Water Coolers
22-47-23	Remote Water Coolers
<b>22-50-00</b>	<b>Pool And Fountain Plumbing Systems</b>
<b>22-51-00</b>	<b>Swimming Pool Plumbing Systems</b>
22-51-13	Swimming Pool Piping
22-51-16	Swimming Pool Pumps
22-51-19	Swimming Pool Water Treatment Equipment
22-51-23	Swimming Pool Equipment Controls
<b>22-52-00</b>	<b>Fountain Plumbing Systems</b>
22-52-13	Fountain Piping
22-52-16	Fountain Pumps
22-52-19	Fountain Water Treatment Equipment

22-52-23	Fountain Equipment Controls
<b>22-60-00</b>	<b>Gas And Vacuum Systems For Laboratory And Healthcare Facilities</b>
<b>22-61-00</b>	<b>Compressed-Air Systems For Laboratory And Healthcare Facilities</b>
22-61-13	Compressed -Air Piping For Laboratory And Healthcare Facilities
22-61-19	Compressed -Air Equipment For Laboratory And Healthcare Facilities
<b>22-62-00</b>	<b>Vacuum Systems For Laboratory And Healthcare Facilities</b>
22-62-13	Vacuum Piping For Laboratory And Healthcare Facilities
22-62-19	Vacuum Equipment For Laboratory And Healthcare Facilities
22-62-23	Waste Anesthesia-Gas Piping
<b>22-63-00</b>	<b>Gas Systems For Laboratory And Healthcare Facilities</b>
22-63-13	Gas Piping For Laboratory And Healthcare Facilities
22-63-19	Gas Storage Tanks For Laboratory And Healthcare Facilities
<b>22-66-00</b>	<b>Chemical -Waste Systems For Laboratory And Healthcare Facilities</b>
22-66-53	Laboratory Chemical-Waste And Vent Piping
22-66-70	Healthcare Chemical-Waste And Vent Piping
22-66-83	Chemical-Waste Tanks
<b>22-67-00</b>	<b>Processed Water Systems For Laboratory And Healthcare Facilities</b>
22-67-13	Processed Water Piping For Laboratory And Healthcare Facilities
22-67-19	Processed Water Equipment For Laboratory And Healthcare Facilities
<b>22-70-00</b>	<b>Unassigned</b>
<b>22-80-00</b>	<b>Unassigned</b>
<b>22-90-00</b>	<b>Unassigned</b>

## **23-00-00 HEATING, VENTILATING & AIR-CONDITIONING (HVAC)**

23-00-10	HVAC -- Subcontractors
<b>23-01-00</b>	<b>Operation And Maintenance Of HVAC Systems</b>
23-01-10	Operation And Maintenance Of Facility Fuel Systems
23-01-20	Operation And Maintenance Of HVAC Piping And Pumps
23-01-30	Operation And Maintenance Of HVAC Air Distribution
23-01-50	Operation And Maintenance Of Central Heating Equipment
23-01-60	Operation And Maintenance Of Central Cooling Equipment
23-01-70	Operation And Maintenance Of Central HVAC Equipment
23-01-80	Operation And Maintenance Of Decentralized HVAC Equipment
23-01-90	Diagnostic Systems For HVAC
<b>23-05-00</b>	<b>Common Work Results For HVAC</b>
23-05-13	Common Motor Requirements For HVAC Equipment
23-05-16	Expansion Fittings And Loops For HVAC Piping
23-05-19	Meters And Gages For HVAC Piping
23-05-23	General-Duty Valves For HVAC Piping

23-05-29	Hangers And Supports For HVAC Piping And Equipment
23-05-33	Heat Tracing For HVAC Piping
23-05-48	Vibration And Seismic Controls For HVAC Piping And Equipment
23-05-53	Identification For HVAC Piping And Equipment
23-05-63	Anti-Microbial Coatings For HVAC Ducts And Equipment
23-05-66	Anti-Microbial Ultraviolet Emitters For HVAC Ducts And Equipment
23-05-93	Testing, Adjusting, And Balancing For HVAC
<b>23-06-00</b>	<b>Schedules For HVAC</b>
23-06-10	Schedules For Facility Fuel Service Systems
23-06-20	Schedules For HVAC Piping And Pumps
23-06-30	Schedules For HVAC Air Distribution
23-06-50	Schedules For Central Heating Equipment
23-06-60	Schedules For Central Cooling Equipment
23-06-70	Schedules For Central HVAC Equipment
23-06-80	Schedules For Decentralized HVAC Equipment
<b>23-07-00</b>	<b>HVAC Insulation</b>
23-07-13	Duct Insulation
23-07-16	HVAC Equipment Insulation
23-07-19	HVAC Piping Insulation
<b>23-08-00</b>	<b>Commissioning Of HVAC</b>
<b>23-09-00</b>	<b>Instrumentation And Control For HVAC</b>
23-09-13	Instrumentation And Control Devices For HVAC
23-09-23	Direct-Digital Control System For HVAC
23-09-33	Electric And Electronic Control System For HVAC
23-09-43	Pneumatic Control System For HVAC
23-09-53	Pneumatic And Electric Control System For HVAC
23-09-93	Sequence Of Operations For HVAC Controls
<b>23-10-00</b>	<b>Facility Fuel Systems</b>
<b>23-11-00</b>	<b>Facility Fuel Piping</b>
23-11-13	Facility Fuel-Oil Piping
23-11-16	Facility Gasoline Piping
23-11-23	Facility Natural-Gas Piping
23-11-26	Facility Liquefied-Petroleum Gas Piping
<b>23-12-00</b>	<b>Facility Fuel Pumps</b>
23-12-13	Facility Fuel-Oil Pumps
23-12-16	Facility Gasoline Dispensing Pumps
<b>23-13-00</b>	<b>Facility Fuel -Storage Tanks</b>
23-13-13	Facility Underground Fuel-Oil, Storage Tanks
23-13-23	Facility Aboveground Fuel-Oil, Storage Tanks

## **23-20-00**

### **HVAC Piping And Pumps**

## **23-21-00**

### **Hydronic Piping And Pumps**

23-21-13

Hydronic Piping

23-21-23

Hydronic Pumps

23-21-29

Automatic Condensate Pump Units

## **23-22-00**

### **Steam And Condensate Piping And Pumps**

23-22-13

Steam And Condensate Heating Piping

23-22-23

Steam Condensate Pumps

## **23-23-00**

### **Refrigerant Piping**

23-23-13

Refrigerant Piping Valves

23-23-16

Refrigerant Piping Specialties

23-23-19

Refrigerant Safety Relief Valve Discharge Piping

23-23-23

Refrigerants

## **23-24-00**

### **Internal -Combustion Engine Piping**

23-24-13

Internal-Combustion Engine Remote -Radiator Coolant Piping

23-24-16

Internal-Combustion Engine Exhaust Piping

## **23-25-00**

### **HVAC Water Treatment**

23-25-13

Water Treatment For Closed -Loop Hydronic Systems

23-25-16

Water Treatment For Open Hydronic Systems

23-25-19

Water Treatment For Steam System Feedwater

23-25-23

Water Treatment For Humidification Steam System Feedwater

## **23-30-00**

### **HVAC Air Distribution**

## **23-31-00**

### **HVAC Ducts And Casings**

23-31-13

Metal Ducts

23-31-16

Nonmetal Ducts

23-31-19

HVAC Casings

## **23-32-00**

### **Air Plenums And Chases**

23-32-13

Fabricated, Metal Air Plenums

23-32-33

Air-Distribution Ceiling Plenums

23-32-36

Air-Distribution Floor Plenums

23-32-39

Air-Distribution Wall Plenums

23-32-43

Air-Distribution Chases Formed By General Construction

23-32-48

Acoustical Air Plenums

## **23-33-00**

### **Air Duct Accessories**

23-33-13

Dampers

23-33-19

Duct Silencers

23-33-23

Turning Vanes

23-33-33

Duct-Mounting Access Doors

23-33-43

Flexible Connectors

23-33-46	Flexible Ducts
23-33-53	Duct Liners
<b>23-34-00</b>	<b>HVAC Fans</b>
23-34-13	Axial HVAC Fans
23-34-16	Centrifugal HVAC Fans
23-34-23	HVAC Power Ventilators
23-34-33	Air Curtains
<b>23-35-00</b>	<b>Special Exhaust Systems</b>
23-35-13	Sawdust Collection Systems
23-35-16	Engine Exhaust Systems
<b>23-36-00</b>	<b>Air Terminal Units</b>
23-36-13	Constant-Air-Volume Units
23-36-16	Variable-Air-Volume Units
<b>23-37-00</b>	<b>Air Outlets And Inlets</b>
23-37-13	Diffusers, Registers, And G Rilles
23-37-16	Fabric Air Distribution Devices
23-37-23	HVAC Gravity Ventilators
<b>23-38-00</b>	<b>Ventilation Hoods</b>
23-38-13	Commercial -Kitchen Hoods
23-38-16	Fume Hoods
<b>23-40-00</b>	<b>HVAC Air Cleaning Devices</b>
<b>23-41-00</b>	<b>Particulate Air Filtration</b>
23-41-13	Panel Air Filters
23-41-16	Renewable -Media Air Filters
23-41-19	Washable Air Filters
23-41-23	Extended Surface Filters
23-41-33	High-Efficiency Particulate Filtration
23-41-43	Ultra-Low Penetration Filtration
23-41-46	Super Ultra-Low Penetration Filtration
<b>23-42-00</b>	<b>Gas-Phase Air Filtration</b>
23-42-13	Activated-Carbon Air Filtration
23-42-16	Chemically-Impregnated Adsorption Air Filtration
23-42-19	Catalytic -Adsorption Air Filtration
<b>23-43-00</b>	<b>Electronic Air Cleaners</b>
23-43-13	Washable Electronic Air Cleaners
23-43-16	Agglomerator Electronic Air Cleaners
23-43-23	Self-Contained Electronic Air Cleaners
<b>23-50-00</b>	<b>Central Heating Equipment</b>
<b>23-51-00</b>	<b>Breechings, Chimneys, And Stacks</b>

23-51-13	Draft Control Devices
23-51-16	Fabricated Breechings And Accessories
23-51-19	Fabricated Stacks
23-51-23	Gas Vents
23-51-33	Insulated Sectional Chimneys
23-51-43	Flue -Gas Filtration Equipment
<b>23-52-00</b>	<b>Heating Boilers</b>
23-52-13	Electric Boilers
23-52-16	Condensing Boilers
23-52-19	Pulse Combustion Boilers
23-52-23	Cast-Iron Boilers
23-52-33	Water-Tube Boilers
23-52-39	Fire-Tube Boilers
<b>23-53-00</b>	<b>Heating Boiler Feedwater Equipment</b>
23-53-13	Boiler Feedwater Pumps
23-53-16	Deaerators
<b>23-54-00</b>	<b>Furnaces</b>
23-54-13	Electric -Resistance Furnaces
23-54-16	Fuel -Fired Furnaces
<b>23-55-00</b>	<b>Fuel -Fired Heaters</b>
23-55-13	Fuel -Fired Duct Heaters
23-55-23	Gas-Fired Radiant Heaters
23-55-33	Fuel -Fired Unit Heaters
<b>23-56-00</b>	<b>Solar Energy Heating Equipment</b>
23-56-13	Heating Solar Collectors
23-56-16	Packaged Solar Heating Equipment
<b>23-57-00</b>	<b>Heat Exchangers For HVAC</b>
23-57-13	Steam -To-Steam Heat Exchangers
23-57-16	Steam -To-Water Heat Exchangers
23-57-19	Liquid-To-Liquid Heat Exchangers
23-57-33	Direct Geoexchange Heat Exchangers
<b>23-60-00</b>	<b>Central Cooling Equipment</b>
<b>23-61-00</b>	<b>Refrigerant Compressors</b>
23-61-13	Centrifugal Refrigerant Compressors
23-61-16	Reciprocating Refrigerant Compressors
23-61-19	Scroll Refrigerant Compressors
23-61-23	Rotary-Screw Refrigerant Compressors
<b>23-62-00</b>	<b>Packaged Compressor And Condenser Units</b>
23-62-13	Packaged Air-Cooled Refrigerant Compressor And Condenser Units

23-62-23	Packaged Water-Cooled Refrigerant Compressor And Condenser Units
<b>23-63-00</b>	<b>Refrigerant Condensers</b>
23-63-13	Air-Cooled Refrigerant Condensers
23-63-23	Water-Cooled Refrigerant Condensers
23-63-33	Evaporative Refrigerant Condensers
<b>23-64-00</b>	<b>Packaged Water Chillers</b>
23-64-13	Absorption Water Chillers
23-64-16	Centrifugal Water Chillers
23-64-19	Reciprocating Water Chillers
23-64-23	Scroll Water Chillers
23-64-26	Rotary-Screw Water Chillers
<b>23-65-00</b>	<b>Cooling Towers</b>
23-65-13	Forced -Draft Cooling Towers
23-65-16	Natural-Draft Cooling Towers
23-65-23	Field-Erected Cooling Towers
23-65-33	Liquid Coolers
<b>23-70-00</b>	<b>Central HVAC Equipment</b>
<b>23-71-00</b>	<b>Thermal Storage</b>
23-71-13	Thermal Heat Storage
23-71-16	Chilled-Water Thermal Storage
23-71-19	Ice Storage
<b>23-72-00</b>	<b>Air-To-Air Energy Recovery Equipment</b>
23-72-13	Heat-Wheel Air-To-Air Energy-Recovery Equipment
23-72-16	Heat-Pipe Air-To-Air Energy-Recovery Equipment
23-72-19	Fixed -Plate Air-To-Air Energy-Recovery Equipment
23-72-23	Packaged Air-To-Air Energy-Recovery Units
<b>23-73-00</b>	<b>Indoor Central -Station Air-Handling Units</b>
23-73-13	Modular Indoor Central-Station Air-Handling Units
23-73-23	Custom Indoor Central-Station Air-Handling Units
23-73-33	Indoor Indirect Fuel-Fired Heating And Ventilating Units
23-73-39	Indoor, Direct Gas-Fired Heating And Ventilating Units
<b>23-74-00</b>	<b>Packaged Outdoor HVAC Equipment</b>
23-74-13	Packaged, Outdoor, Central-Station Air-Handling Units
23-74-23	Packaged, Outdoor, Heating-Only Makeup-Air Units
23-74-33	Packaged, Outdoor, Heating And Cooling Makeup Air-Conditioners
<b>23-75-00</b>	<b>Custom-Packaged Outdoor HVAC Equipment</b>
23-75-13	Custom -Packaged, Outdoor, Central-Station Air-Handling Units
23-75-23	Custom -Packaged, Outdoor, Heating And Ventilating Makeup -Air Units
23-75-33	Custom -Packaged, Outdoor, Heating And Cooling Makeup Air-Conditioners



<b>23-76-00</b>	<b>Evaporative Air-Cooling Equipment</b>
23-76-13	Direct Evaporative Air Coolers
23-76-16	Indirect Evaporative Air Coolers
23-76-19	Combined Direct And Indirect Evaporative Air Coolers
<b>23-80-00</b>	<b>Decentralized HVAC Equipment</b>
<b>23-81-00</b>	<b>Decentralized Unitary HVAC Equipment</b>
23-81-13	Packaged Terminal Air-Conditioners
23-81-16	Room Air-Conditioners
23-81-19	Self-Contained Air-Conditioners
23-81-23	Computer-Room Air-Conditioners
23-81-26	Split-System Air-Conditioners
23-81-43	Air-Source Unitary Heat Pumps
23-81-46	Water-Source Unitary Heat Pumps
<b>23-82-00</b>	<b>Convection Heating And Cooling Units</b>
23-82-13	Valance Heating And Cooling Units
23-82-16	Air Coils
23-82-19	Fan Coil Units
23-82-23	Unit Ventilators
23-82-26	Induction Units
23-82-29	Radiators
23-82-33	Convectors
23-82-36	Finned-Tube Radiation Heaters
23-82-39	Unit Heaters
<b>23-83-00</b>	<b>Radiant Heating Units</b>
23-83-13	Radiant-Heating Electric Cables
23-83-16	Radiant-Heating Hydronic Piping
23-83-23	Radiant-Heating Electric Panels
23-83-33	Electric Radiant Heaters
<b>23-84-00</b>	<b>Humidity Control Equipment</b>
23-84-13	Humidifiers
23-84-16	Dehumidifiers
23-84-19	Indoor Pool And Ice-Rink Dehumidification Units
<b>23-90-00</b>	<b>Unassigned</b>

## **25-00-00 INTEGRATED AUTOMATION**

25-00-10	Integrated Automation -- Subcontractors
<b>25-01-00</b>	<b>Operation And Maintenance Of Integrated Automation</b>
25-01-10	Operation And Maintenance Of Integrated Automation Network Equipment
25-01-20	Operation And Maintenance Of Integrated Equipment

25-01-30	Operation And Maintenance Of Integrated Automation Instrumentation And
25-01-90	Diagnostic Systems For Integrated Automation
<b>25-05-00</b>	<b>Common Work Results For Integrated Automation</b>
25-05-13	Conductors And Cables For Integrated Automation
25-05-26	Grounding And Bonding For Integrated Automation
25-05-28	Pathways For Integrated Automation
25-05-48	Vibration And Seismic Controls For Integrated Automation
25-05-53	Identification For Integrated Automation
<b>25-06-00</b>	<b>Schedules For Integrated Automation</b>
25-06-11	Schedules For Integrated Automation Network
25-06-12	Schedules For Integrated Automation Network Gateways
25-06-13	Schedules For Integrated Automation Control And Monitoring Network
25-06-14	Schedules For Integrated Automation Local Control Units
25-06-30	Schedules For Integrated Automation Instrumentation And Terminal Devic
<b>25-08-00</b>	<b>Commissioning Of Integrated Automation</b>
<b>25-10-00</b>	<b>Integrated Automation Network Equipment</b>
<b>25-11-00</b>	<b>Integrated Automation Network Devices</b>
25-11-13	Integrated Automation Network Servers
25-11-16	Integrated Automation Network Routers, Bridges, Switches, Hubs, And Mo
25-11-19	Integrated Automation Network Operator Workstations
<b>25-12-00</b>	<b>Integrated Automation Network Gateways</b>
25-12-13	Hardwired Integration Network Gateways
25-12-16	Direct-Protocol Integration Network Gateways
25-12-19	Neutral-Protocol Integration Network Gateways
25-12-23	Client-Server Information/Database Integration Network Gateways
<b>25-13-00</b>	<b>Integrated Automation Control And Monitoring Network</b>
25-13-13	Integrated Automation Control And Monitoring Network Supervisory Contr
25-13-16	Integrated Automation Control And Monitoring Network Integration Panel
25-13-19	Integrated Automation Control And Monitoring Network Interoperability
<b>25-14-00</b>	<b>Integrated Automation Local Control Units</b>
25-14-13	Integrated Automation Remote Control Panels
25-14-16	Integrated Automation Application-Specific Control Panels
25-14-19	Integrated Automation Terminal Control Units
25-14-23	Integrated Automation Field Equipment Panels
<b>25-15-00</b>	<b>Integrated Automation Software</b>
25-15-13	Integrated Automation Software For Network Gateways
25-15-16	Integrated Automation Software For Control And Monitoring Networks
25-15-19	Integrated Automation Software For Local Control Units
<b>25-20-00</b>	<b>Unassigned</b>

<b>25-30-00</b>	<b>Integrated Automation Instrumentation And Terminal Devices</b>
25-31-00	Integrated Automation Instrumentation And Terminal Devices For Facilit
25-32-00	Integrated Automation Instrumentation And Terminal Devices For Conveyi
25-33-00	Integrated Automation Instrumentation And Terminal Devices For Fire-Su
25-34-00	Integrated Automation Instrumentation And Terminal Devices For Plumbin
25-35-00	Integrated Automation Instrumentation And Terminal Devices For HVAC
25-35-13	Integrated Automation Actuators And Operators
25-35-16	Integrated Automation Sensors And Transmitters
25-35-19	Integrated Automation Control Valves
25-35-23	Integrated Automation Control Dampers
25-35-26	Integrated Automation Compressed Air Supply
<b>25-36-00</b>	<b>Integrated Automation Instrumentation And Terminal Devices For Electri</b>
25-36-13	Integrated Automation Power Meters
25-36-16	Integrated Automation Kw Transducers
25-36-19	Integrated Automation Current Sensors
25-36-23	Integrated Automation Battery Monitors
25-36-26	Integrated Automation Lighting Relays
25-36-29	Integrated Automation Ups Monitors
<b>25-37-00</b>	<b>Integrated Automation Instrumentation And Terminal Devices For Communi</b>
<b>25-38-00</b>	<b>Integrated Automation Instrumentation And Terminal Devices For Electro</b>
25-40-00	Unassigned
<b>25-50-00</b>	<b>Integrated Automation Facility Controls</b>
25-51-00	Integrated Automation Control Of Facility Equipment
25-52-00	Integrated Automation Control Of Conveying Equipment
25-53-00	Integrated Automation Control Of Fire-Suppression Systems
25-54-00	Integrated Automation Control Of Plumbing
25-55-00	Integrated Automation Control Of HVAC
25-56-00	Integrated Automation Control Of Electrical Systems
25-57-00	Integrated Automation Control Of Communications Systems
25-58-00	Integrated Automation Control Of Electronic Safety And Security System
25-60-00	Unassigned
25-70-00	Unassigned
25-80-00	Unassigned
<b>25-90-00</b>	<b>Integrated Automation Control Sequences</b>
25-91-00	Integrated Automation Control Sequences For Facility Equipment
25-92-00	Integrated Automation Control Sequences For Conveying Equipment
25-93-00	Integrated Automation Control Sequences For Fire -Suppression Systems
25-94-00	Integrated Automation Control Sequences For Plumbing
25-95-00	Integrated Automation Control Sequences For HVAC

<b>25-96-00</b>	<b>Integrated Automation Control Sequences For Electrical Systems</b>
<b>25-97-00</b>	<b>Integrated Automation Control Sequences For Communications Systems</b>
<b>25-98-00</b>	<b>Integrated Automation Control Sequences For Electronic Safety And Security</b>

## **26-00-00 ELECTRICAL**

26-00-10	Electrical -- Subcontractors
<b>26-01-00</b>	<b>Operation And Maintenance Of Electrical Systems</b>
26-01-10	Operation And Maintenance Of Medium -Voltage Electrical Distribution
26-01-20	Operation And Maintenance Of Low-Voltage Electrical Distribution
26-01-26	Maintenance Testing Of Electrical Systems
26-01-30	Operation And Maintenance Of Facility Electrical Power Generating And
26-01-40	Operation And Maintenance Of Electrical And Cathodic Protection System
26-01-50	Operation And Maintenance Of Lighting
<b>26-05-00</b>	<b>Common Work Results For Electrical</b>
26-05-13	Medium -Voltage Cables
26-05-19	Low-Voltage Electrical Power Conductors And Cables
26-05-23	Control-Voltage Electrical Power Cables
26-05-26	Grounding And Bonding For Electrical Systems
26-05-29	Hangers And Supports For Electrical Systems
26-05-33	Raceway And Boxes For Electrical Systems
26-05-36	Cable Trays For Electrical Systems
26-05-39	Underfloor Raceways For Electrical Systems
26-05-43	Underground Ducts And Raceways For Electrical Systems
26-05-46	Utility Poles For Electrical Systems
26-05-48	Vibration And Seismic Controls For Electrical Systems
26-05-53	Identification For Electrical Systems
26-05-73	Overcurrent Protective Device Coordination Study
<b>26-06-00</b>	<b>Schedules For Electrical</b>
26-06-10	Schedules For Medium -Voltage Electrical Distribution
26-06-20	Schedules For Low-Voltage Electrical Distribution
26-06-30	Schedules For Facility Electrical Power Generating And Storing Equipme
26-06-40	Schedules For Electrical And Cathodic Protection Systems
26-06-50	Schedules For Lighting
<b>26-08-00</b>	<b>Commissioning Of Electrical Systems</b>
<b>26-09-00</b>	<b>Instrumentation And Control For Electrical Systems</b>
26-09-13	Electrical Power Monitoring And Control
26-09-23	Lighting Control Devices
26-09-26	Lighting Control Panelboards
26-09-33	Central Dimming Controls

26-09-36	Modular Dimming Controls
26-09-43	Network Lighting Controls
26-09-61	Theatrical Lighting Controls
<b>26-10-00</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26-11-00</b>	<b>Substations</b>
26-11-13	Primary Unit Substations
26-11-16	Secondary Unit Substations
<b>26-12-00</b>	<b>Medium-Voltage Transformers</b>
26-12-13	Liquid-Filled, Medium -Voltage Transformers
26-12-16	Dry-Type, Medium -Voltage Transformers
26-12-19	Pad-Mounted, Liquid-Filled, Medium -Voltage Transformers
<b>26-13-00</b>	<b>Medium-Voltage Switchgear</b>
26-13-13	Medium -Voltage Circuit Breaker Switchgear
26-13-16	Medium -Voltage Fusible Interrupter Switchgear
26-13-19	Medium -Voltage Vacuum Interrupter Switchgear
<b>26-18-00</b>	<b>Medium-Voltage Circuit Protection Devices</b>
26-18-13	Medium -Voltage Cutouts
26-18-16	Medium -Voltage Fuses
26-18-19	Medium -Voltage Lightning Arresters
26-18-23	Medium -Voltage Surge Arresters
26-18-26	Medium -Voltage Reclosers
26-18-29	Medium -Voltage Enclosed Bus
26-18-33	Medium -Voltage Enclosed Fuse Cutouts
26-18-36	Medium -Voltage Enclosed Fuses
26-18-39	Medium -Voltage Motor Controllers
<b>26-20-00</b>	<b>Low -Voltage Electrical Transmission</b>
<b>26-21-00</b>	<b>Low-Voltage Overhead Electrical Power Systems</b>
<b>26-22-00</b>	<b>Low-Voltage Transformers</b>
26-22-13	Low-Voltage Distribution Transformers
26-22-16	Low-Voltage Buck-Boost Transformers
26-22-19	Control And Signal Transformers
<b>26-23-00</b>	<b>Low-Voltage Switchgear</b>
26-23-13	Paralleling Low-Voltage Switchgear
<b>26-24-00</b>	<b>Switchboards And Panelboards</b>
26-24-13	Switchboards
26-24-16	Panelboards
26-24-19	Motor-Control Centers
<b>26-25-00</b>	<b>Enclosed Bus Assemblies</b>
<b>26-26-00</b>	<b>Power Distribution Units</b>

## **26-27-00**

### **Low-Voltage Distribution Equipment**

26-27-13

Electricity Metering

26-27-16

Electrical Cabinets And Enclosures

26-27-19

Multi -Outlet Assemblies

26-27-23

Indoor Service Poles

26-27-26

Wiring Devices

26-27-73

Door Chimes

## **26-28-00**

### **Low-Voltage Circuit Protective Devices**

26-28-13

Fuses

26-28-16

Enclosed Switches And Circuit Breakers

## **26-29-00**

### **Low-Voltage Controllers**

26-29-13

Enclosed Controllers

26-29-23

Variable-Frequency Motor Controllers

## **26-30-00**

### **Facility Electrical Power Generating And Storing Equipment**

## **26-31-00**

### **Photovoltaic Collectors**

## **26-32-00**

### **Packaged Generator Assemblies**

26-32-13

Engine Generators

26-32-16

Steam -Turbine Generators

26-32-19

Hydro-Turbine Generators

26-32-23

Wind Energy Equipment

26-32-26

Frequency Changers

26-32-29

Rotary Converters

26-32-33

Rotary Uninterruptible Power Units

## **26-33-00**

### **Battery Equipment**

26-33-13

Batteries

26-33-16

Battery Racks

26-33-19

Battery Units

26-33-23

Central Battery Equipment

26-33-33

Static Power Converters

26-33-43

Battery Chargers

26-33-46

Battery Monitoring

26-33-53

Static Uninterruptible Power Supply

## **26-35-00**

### **Power Filters And Conditioners**

26-35-13

Capacitors

26-35-16

Chokes And Inductors

26-35-23

Electromagnetic -Interference Filters

26-35-26

Harmonic Filters

26-35-33

Power Factor Correction Equipment

26-35-36

Slip Controllers

26-35-43	Static -Frequency Converters
26-35-46	Radio -Frequency-Interference Filters
26-35-53	Voltage Regulators
<b>26-36-00</b>	<b>Transfer Switches</b>
26-36-13	Manual Transfer Switches
26-36-23	Automatic Transfer Switches
<b>26-40-00</b>	<b>Electrical And Cathodic Protection</b>
<b>26-41-00</b>	<b>Facility Lightning Protection</b>
26-41-13	Lightning Protection For Structures
26-41-16	Lightning Prevention And Dissipation
26-41-19	Early Streamer Emission Lightning Protection
26-41-23	Lightning Protection Surge Arresters And Suppressors
<b>26-42-00</b>	<b>Cathodic Protection</b>
26-42-13	Passive Cathodic Protection For Underground And Submerged Piping
26-42-16	Passive Cathodic Protection For Underground Storage Tank
<b>26-43-00</b>	<b>Transient Voltage Suppression</b>
26-43-13	Transient-Voltage Suppression For Low-Voltage Electrical Power Circuit
<b>26-50-00</b>	<b>Lighting</b>
<b>26-51-00</b>	<b>Interior Lighting</b>
26-51-13	Interior Lighting Fixtures, Lamps, And Ballasts
<b>26-52-00</b>	<b>Emergency Lighting</b>
<b>26-53-00</b>	<b>Exit Signs</b>
<b>26-54-00</b>	<b>Classified Location Lighting</b>
<b>26-55-00</b>	<b>Special Purpose Lighting</b>
26-55-23	Outline Lighting
26-55-29	Underwater Lighting
26-55-33	Hazard Warning Lighting
26-55-36	Obstruction Lighting
26-55-53	Security Lighting
26-55-59	Display Lighting
26-55-61	Theatrical Lighting
26-55-63	Detention Lighting
26-55-70	Healthcare Lighting
<b>26-56-00</b>	<b>Exterior Lighting</b>
26-56-13	Lighting Poles And Standards
26-56-16	Parking Lighting
26-56-19	Roadway Lighting
26-56-23	Area Lighting
26-56-26	Landscape Lighting



26-56-29	Site Lighting
26-56-33	Walkway Lighting
26-56-36	Flood Lighting
26-56-68	Exterior Athletic Lighting
26-60-00	Unassigned
26-70-00	Unassigned
26-80-00	Unassigned
26-90-00	Unassigned

## 27-00-00 COMMUNICATIONS

27-00-10	Communications -- Subcontractors
<b>27-01-00</b>	<b>Operation And Maintenance Of Communications Systems</b>
27-01-10	Operation And Maintenance Of Structured Cabling And Enclosures
27-01-20	Operation And Maintenance Of Data Communications
27-01-30	Operation And Maintenance Of Voice Communications
27-01-40	Operation And Maintenance Of Audio-Video Communications
27-01-50	Operation And Maintenance Of Distributed Communications And Monitoring
<b>27-05-00</b>	<b>Common Work Results For Communications</b>
27-05-13	Communications Services
27-05-26	Grounding And Bonding For Communications Systems
27-05-28	Pathways For Communications Systems
27-05-43	Underground Ducts And Raceways For Communications Systems
27-05-46	Utility Poles For Communications Systems
27-05-48	Vibration And Seismic Controls For Communications Systems
27-05-53	Identification For Communications Systems
<b>27-06-00</b>	<b>Schedules For Communications</b>
27-06-10	Schedules For Structured Cabling And Enclosures
27-06-20	Schedules For Data Communications
27-06-30	Schedules For Voice Communications
27-06-40	Schedules For Audio-Video Communications
27-06-50	Schedules For Distributed Communications And Monitoring
<b>27-08-00</b>	<b>Commissioning Of Communications</b>
<b>27-10-00</b>	<b>Structured Cabling</b>
<b>27-11-00</b>	<b>Communications Equipment Room Fittings</b>
27-11-13	Communications Entrance Protection
27-11-16	Communications Cabinets, Racks, Frames And Enclosures
27-11-19	Communications Termination Blocks And Patch Panels
27-11-23	Communications Cable Management And Ladder Rack
27-11-26	Communications Rack Mounted Power Protection And Power Strips



## **27-13-00**

27-13-13

27-13-23

27-13-33

27-13-43

## **27-15-00**

27-15-13

27-15-23

27-15-33

27-15-43

## **27-16-00**

27-16-13

27-16-16

27-16-19

## **27-20-00**

### **27-21-00**

27-21-13

27-21-16

27-21-26

27-21-29

27-21-33

### **27-22-00**

27-22-13

27-22-16

27-22-19

27-22-23

27-22-26

27-22-29

### **27-24-00**

27-24-13

27-24-16

27-24-19

27-24-23

27-24-26

27-24-29

### **27-25-00**

27-25-13

27-25-16

27-25-19

### **Communications Backbone Cabling**

Communications Copper Backbone Cabling

Communications Optical Fiber Backbone Cabling

Communications Coaxial Backbone Cabling

Communications Services Cabling

### **Communications Horizontal Cabling**

Communications Copper Horizontal Cabling

Communications Optical Fiber Horizontal Cabling

Communications Coaxial Horizontal Cabling

Communications Faceplates And Connectors

### **Communications Connecting Cords, Devices And Adapters**

Communications Custom Cable Assemblies

Communications Media Converters, Adapters, And Transceivers

Communications Patch Cords, Station Cords, And Cross Connect Wire

## **Data Communications**

### **Data Communications Network Equipment**

Data Communications Firewalls

Data Communications Routers, Csu/Dsu, Multiplexers, Codec@s, And Modem

Data Communications Network Management

Data Communications Switches And Hubs

Data Communications Wireless Access Points

### **Data Communications Hardware**

Data Communications Mainframes

Data Communications Storage And Backup

Data Communications Servers

Data Communications Desktops

Data Communications Laptops

Data Communications Handhelds

### **Data Communications Peripheral Data Equipment**

Printers

Scanners

External Drives

Audio-Video Devices

Virtual Reality Equipment

Disaster Recovery Equipment

### **Data Communications Software**

Virus Protection Software

Application Suites

Email Software

27-25-23	Graphics/Multimedia Software
27-25-26	Customer Relationship Management Software
27-25-29	Operating System Software
27-25-33	Database Software
27-25-37	Virtual Private Network Software
27-25-39	Internet Conferencing Software
<b>27-26-00</b>	<b>Data Communications Programming And Integration Services</b>
27-26-13	Web Development
27-26-16	Database Development
27-26-19	Application Development
27-26-23	Network Integration Requirements
27-26-26	Data Communications Integration Requirements
<b>27-30-00</b>	<b>Voice Communications</b>
<b>27-31-00</b>	<b>Voice Communications Switching And Routing Equipment</b>
27-31-13	Pbx/ Key Systems
27-31-23	Internet Protocol Voice Switches
<b>27-32-00</b>	<b>Voice Communications Telephone Sets, Facsimiles And Modems</b>
27-32-13	Telephone Sets
27-32-16	Wireless Transceivers
27-32-23	Elevator Telephones
27-32-26	Ring-Down Emergency Telephones
27-32-29	Facsimiles And Modems
27-32-36	TTY Equipment
<b>27-33-00</b>	<b>Voice Communications Messaging</b>
27-33-16	Voice Mail And Auto Attendant
27-33-23	Interactive Voice Response
27-33-26	Facsimile Servers
<b>27-34-00</b>	<b>Call Accounting</b>
27-34-13	Toll Fraud Equipment And Software
27-34-16	Telemanagement Software
<b>27-35-00</b>	<b>Call Management</b>
27-35-13	Digital Voice Announcers
27-35-16	Automatic Call Distributors
27-35-19	Call Status And Management Displays
27-35-23	Dedicated 911 Systems
<b>27-40-00</b>	<b>Audio-Video Communications</b>
<b>27-41-00</b>	<b>Audio-Video Systems</b>
27-41-13	Architecturally Integrated Audio-Video Equipment
27-41-16	Integrated Audio-Video Systems And Equipment

27-41-19	Portable Audio-Video Equipment
27-41-23	Audio-Video Accessories
<b>27-42-00</b>	<b>Electronic Digital Systems</b>
27-42-13	Point Of Sale Systems
27-42-16	Transportation Information Display Systems
27-42-19	Public Information Systems
<b>27-50-00</b>	<b>Distributed Communications And Monitoring Systems</b>
<b>27-51-00</b>	<b>Distributed Audio-Video Communications Systems</b>
27-51-13	Paging Systems
27-51-16	Public Address And Mass Notification Systems
27-51-19	Sound Masking Systems
27-51-23	Intercommunications And Program Systems
<b>27-52-00</b>	<b>Healthcare Communications And Monitoring Systems</b>
27-52-13	Patient Monitoring And Telemetry Systems
27-52-16	Telemedicine Systems
27-52-19	Healthcare Imaging Systems
27-52-23	Nurse Call/Code Blue Systems
<b>27-53-00</b>	<b>Distributed Systems</b>
27-53-13	Clock Systems
27-53-16	Infrared And Radio Frequencytracking Systems
27-53-19	Internal Cellular, Paging , And Antenna Systems
<b>27-60-00</b>	<b>Unassigned</b>
<b>27-70-00</b>	<b>Unassigned</b>
<b>27-80-00</b>	<b>Unassigned</b>
<b>27-90-00</b>	<b>Unassigned</b>

## **28-00-00 ELECTRONIC SAFETY AND SECURITY**

28-00-10	Electronic Safety and Security -- Subcontractors
<b>28-01-00</b>	<b>Operation And Maintenance Of Electronic Safety And Security</b>
28-01-10	Operation And Maintenance Of Electronic Access Control And Intrusion D
28-01-20	Operation And Maintenance Of Electronic Surveillance
28-01-30	Operation And Maintenance Of Electronic Detection And Alarm
28-01-40	Operation And Maintenance Of Electronic Monitoring And Control
<b>28-05-00</b>	<b>Common Work Results For Electronic Safety And Security</b>
28-05-13	Conductors And Cables For Electronic Safety And Security
28-05-26	Grounding And Bonding For Electronic Safety And Security
28-05-28	Pathways For Electronic Safety And Security
28-05-48	Vibration And Seismic Controls For Electronic Safety And Security
28-05-53	Identification For Electronic Safety And Security

<b>28-06-00</b>	<b>Schedules For Electronic Safety And Security</b>
28-06-10	Schedules For Electronic Access Control And Intrusion Detection
28-06-20	Schedules For Electronic Surveillance
28-06-30	Schedules For Electronic Detection And Alarm
28-06-40	Schedules For Electronic Monitoring And Control
<b>28-08-00</b>	<b>Commissioning Of Electronic Safety And Security</b>
<b>28-10-00</b>	<b>Electronic Access Control And Intrusion Detection</b>
<b>28-13-00</b>	<b>Access Control</b>
28-13-13	Access Control Global Applications
28-13-16	Access Control Systems And Database Management
28-13-19	Access Control Systems Infrastructure
28-13-26	Access Control Remote Devices
28-13-33	Access Control Interfaces
28-13-43	Access Control Identification Management Systems
28-13-53	Security Access Detection
<b>28-16-00</b>	<b>Intrusion Detection</b>
28-16-13	Intrusion Detection Control, Gui, And Logic Systems
28-16-16	Intrusion Detection Systems Infrastructure
28-16-19	Intrusion Detection Remote Devices And Sensors
28-16-33	Intrusion Detection Interfaces
28-16-43	Perimeter Security Systems
28-16-46	Intrusion Detection Vehicle Control Systems
<b>28-20-00</b>	<b>Electronic Surveillance</b>
<b>28-23-00</b>	<b>Video Surveillance</b>
28-23-13	Video Surveillance Control And Management Systems
28-23-16	Video Surveillance Monitoring And Supervisory Interfaces
28-23-19	Digital Video Recorders And Analog Recording Devices
28-23-23	Video Surveillance Systems Infrastructure
28-23-26	Video Surveillance Remote Positioning Equipment
28-23-29	Video Surveillance Remote Devices And Sensors
<b>28-26-00</b>	<b>Electronic Personal Protection Systems</b>
28-26-13	Electronic Personal Safety Detection Systems
28-26-16	Electronic Personal Safety Alarm Annunciation And Control Systems
28-26-19	Electronic Personal Safety Interfaces To Remote Monitoring
28-26-23	Electronic Personal Safety Emergency Aid Devices
<b>28-30-00</b>	<b>Electronic Detection And Alarm</b>
<b>28-31-00</b>	<b>Fire Detection And Alarm</b>
28-31-13	Fire Detection And Alarm Control, Gui, And Logic Systems
28-31-23	Fire Detection And Alarm Annunciation Panels And Fire Stations

28-31-33	Fire Detection And Alarm Interfaces
28-31-43	Fire Detection Sensors
28-31-46	Smoke Detection Sensors
28-31-49	Carbon -Monoxide Detection Sensors
28-31-53	Fire Alarm Initiating Devices
28-31-63	Fire Alarm Integrated Audio Visual Evacuation Systems
<b>28-32-00</b>	<b>Radiation Detection And Alarm</b>
28-32-13	Radiation Detection And Alarm Control, Gui, And Logic Systems
28-32-23	Radiation Detection And Alarm Integrated Audio Evacuation Systems
28-32-43	Radiation And Alarm Dosimeters
<b>28-33-00</b>	<b>Fuel -Gas Detection And Alarm</b>
28-33-13	Fuel -Gas Detection And Alarm Control, Gui, And Logic Systems
28-33-23	Fuel -Gas Detection And Alarm Integrated Audio Evacuation Systems
28-33-33	Fuel -Gas Detection Sensors
<b>28-34-00</b>	<b>Fuel -Oil Detection And Alarm</b>
28-34-13	Fuel -Oil Detection And Alarm Control, Gui, And Logic Systems
28-34-23	Fuel -Oil Detection And Alarm Integrated Audio Evacuation Systems
28-34-33	Fuel -Oil Detection Sensors
<b>28-35-00</b>	<b>Refrigerant Detection And Alarm</b>
28-35-13	Refrigerant Detection And Alarm Control, Gui, And Logic Systems
28-35-23	Refrigerant Detection And Alarm Integrated Audio Evacuation Systems
28-35-33	Refrigerant Detection Sensors
<b>28-40-00</b>	<b>Electronic Monitoring And Control</b>
<b>28-46-00</b>	<b>Electronic Detention Monitoring And Control Systems</b>
28-46-13	Hard-Wired Detention Monitoring And Control Systems
28-46-16	Relay-Logic Detention Monitoring And Control Systems
28-46-19	Plc Electronic Detention Monitoring And Control Systems
28-46-23	Computer-Based Detention Monitoring And Control Systems
28-46-26	Discreet-Logic Detention Monitoring And Control Systems
28-46-29	Discreet-Distributed Intelligence Detention Monitoring And Control Sys
<b>28-50-00</b>	<b>Unassigned</b>
<b>28-60-00</b>	<b>Unassigned</b>
<b>28-70-00</b>	<b>Unassigned</b>
<b>28-80-00</b>	<b>Unassigned</b>
<b>28-90-00</b>	<b>Unassigned</b>

## **31-00-00 EARTHWORK**

31-00-10	Earthwork -- Subcontractors
<b>31-01-00</b>	<b>Maintenance Of Earthwork</b>

31-01-10	Maintenance Of Clearing
31-01-20	Maintenance Of Earth Moving
31-01-40	Maintenance Of Shoring And Underpinning
31-01-50	Maintenance Of Excavation Support And Protection
31-01-60	Maintenance Of Special Foundations And Load Bearing Elements
31-01-62	Maintenance Of Driven Piles
31-01-63	Maintenance Of Bored And Augered Piles
31-01-70	Maintenance Of Tunneling And Mining
<b>31-05-00</b>	<b>Common Work Results For Earthwork</b>
31-05-13	Soils For Earthwork
31-05-16	Aggregates For Earthwork
31-05-19	Geosynthetics For Earthwork
31-05-23	Cement And Concrete For Earthwork
<b>31-06-00</b>	<b>Schedules For Earthwork</b>
31-06-10	Schedules For Clearing
31-06-20	Schedules For Earth Moving
31-06-40	Schedules For Shoring And Underpinning
31-06-50	Schedules For Excavation Support And Protection
31-06-60	Schedules For Special Foundations And Load Bearing Elements
31-06-70	Schedules For Tunneling And Mining
<b>31-08-00</b>	<b>Commissioning Of Earthwork</b>
<b>31-09-00</b>	<b>Geotechnical Instrumentation And Monitoring Of Earthwork</b>
31-09-13	Geotechnical Instrumentation And Monitoring
31-09-16	Special Foundation And Load Bearing Elements Instrumentation And Monit
<b>31-10-00</b>	<b>Site Clearing</b>
<b>31-11-00</b>	<b>Clearing And Grubbing</b>
<b>31-12-00</b>	<b>Selective Clearing</b>
<b>31-13-00</b>	<b>Selective Tree And Shrub Removal And Trimming</b>
31-13-13	Selective Tree And Shrub Removal
31-13-16	Selective Tree And Shrub Trimming
<b>31-14-00</b>	<b>Earth Stripping And Stockpiling</b>
31-14-13	Soil Stripping And Stockpiling
31-14-16	Sod Stripping And Stockpiling
<b>31-20-00</b>	<b>Earth Moving</b>
<b>31-21-00</b>	<b>Off-Gassing Mitigation</b>
31-21-13	Radon Mitigation
31-21-16	Methane Mitigation
<b>31-22-00</b>	<b>Grading</b>
31-22-13	Rough Grading

31-22-16	Fine Grading
31-22-19	Finish Grading
<b>31-23-00</b>	<b>Excavation And Fill</b>
31-23-13	Subgrade Preparation
31-23-16	Excavation
31-23-19	Dewatering
31-23-23	Fill
31-23-33	Trenching And Backfilling
<b>31-24-00</b>	<b>Embankments</b>
31-24-13	Roadway Embankments
31-24-16	Railway Embankments
<b>31-25-00</b>	<b>Erosion And Sedimentation Controls</b>
31-25-13	Erosion Controls
31-25-23	Rock Barriers
31-25-53	Sedimentation Controls
31-25-63	Rock Basins
<b>31-30-00</b>	<b>Earthwork Methods</b>
<b>31-31-00</b>	<b>Soil Treatment</b>
31-31-13	Rodent Control
31-31-16	Termite Control
31-31-19	Vegetation Control
<b>31-32-00</b>	<b>Soil Stabilization</b>
31-32-13	Soil Mixing Stabilization
31-32-16	Chemical Treatment Soil Stabilization
31-32-19	Geosynthetic Soil Stabilization And Layer Separation
31-32-23	Pressure Grouting Soil Stabilization
31-32-33	Shotcrete Soil Slope Stabilization
31-32-36	Soil Nailing
<b>31-33-00</b>	<b>Rock Stabilization</b>
31-33-13	Rock Bolting And Grouting
31-33-23	Rock Slope Netting
31-33-26	Rock Slope Wire Mesh
31-33-33	Shotcrete Rock Slope Stabilization
31-33-43	Vegetated Rock Slope Stabilization
<b>31-34-00</b>	<b>Soil Reinforcement</b>
31-34-19	Geosynthetic Soil Reinforcement
31-34-23	Fiber Soil Reinforcement
<b>31-35-00</b>	<b>Slope Protection</b>
31-35-19	Geosynthetic Slope Protection

31-35-23	Slope Protection With Slope Paving
31-35-26	Containment Barriers
<b>31-36-00</b>	<b>Gabions</b>
31-36-13	Gabion Boxes
31-36-19	Gabion Mattresses
<b>31-37-00</b>	<b>Riprap</b>
31-37-13	Machined Riprap
31-37-16	Non-Machined Riprap
<b>31-40-00</b>	<b>Shoring And Underpinning</b>
<b>31-41-00</b>	<b>Shoring</b>
31-41-13	Timber Shoring
31-41-16	Sheet Piling
31-41-19	Metal Hydraulic Shoring
31-41-23	Pneumatic Shoring
31-41-33	Trench Shielding
<b>31-43-00</b>	<b>Concrete Raising</b>
31-43-13	Pressure Grouting
31-43-16	Compaction Grouting
31-43-19	Mechanical Jacking
<b>31-45-00</b>	<b>Vibroflotation And Densification</b>
31-45-13	Vibroflotation
31-45-16	Densification
<b>31-46-00</b>	<b>Needle Beams</b>
31-46-13	Cantilever Needle Beams
<b>31-48-00</b>	<b>Underpinning</b>
31-48-13	Underpinning Piers
31-48-19	Bracket Piers
31-48-23	Jacked Piers
31-48-33	Micropile Underpinning
<b>31-50-00</b>	<b>Excavation Support And Protection</b>
<b>31-51-00</b>	<b>Anchor Tiebacks</b>
31-51-13	Excavation Soil Anchors
31-51-16	Excavation Rock Anchors
<b>31-52-00</b>	<b>Cofferdams</b>
31-52-13	Sheet Piling Cofferdams
31-52-16	Timber Cofferdams
31-52-19	Precast Concrete Cofferdams
<b>31-53-00</b>	<b>Cribbing And Walers</b>
31-53-13	Timber Cribwork



**31-54-00**

**Ground Freezing**

**31-56-00**

**Slurry Walls**

31-56-13

Bentonite Slurry Walls

31-56-16

Attipulgite Slurry Walls

31-56-19

Slurry-Geomembrane Composite Slurry Walls

31-56-23

Lean Concrete Slurry Walls

31-56-26

Bio-Polymer Trench Drain

**31-60-00**

**Special Foundations And Load-Bearing Elements**

**31-62-00**

**Driven Piles**

31-62-13

Concrete Piles

31-62-16

Steel Piles

31-62-19

Timber Piles

31-62-23

Composite Piles

**31-63-00**

**Bored Piles**

31-63-13

Bored And Augered Test Piles

31-63-16

Auger Cast Grout Piles

31-63-19

Bored And Socketed Piles

31-63-23

Bored Concrete Piles

31-63-26

Drilled Caissons

31-63-29

Drilled Concrete Piers And Shafts

31-63-33

Drilled Micropiles

**31-64-00**

**Caissons**

31-64-13

Box Caissons

31-64-16

Excavated Caissons

31-64-19

Floating Caissons

31-64-23

Open Caissons

31-64-26

Pneumatic Caissons

31-64-29

Sheeted Caissons

**31-66-00**

**Special Foundations**

31-66-13

Special Piles

31-66-16

Special Foundation Walls

31-66-19

Refrigerated Foundations

31-68-00

Foundation Anchors

31-68-13

Rock Foundation Anchors

**31-70-00**

**Tunneling And Mining**

**31-71-00**

**Tunnel Excavation**

31-71-13

Shield Driving Tunnel Excavation

31-71-16

Tunnel Excavation By Drilling And Blasting

31-71-19

Tunnel Excavation By Tunnel Boring Machine

<b>31-72-00</b>	<b>Tunnel Support Systems</b>
31-72-13	Rock Reinforcement And Initial Support
31-72-16	Steel Ribs And Lagging
<b>31-73-00</b>	<b>Tunnel Grouting</b>
31-73-13	Cement Tunnel Grouting
31-73-16	Chemical Tunnel Grouting
<b>31-74-00</b>	<b>Tunnel Construction</b>
31-74-13	Cast-In-Place Concrete Tunnel Lining
31-74-16	Precast Concrete Tunnel Lining
31-74-19	Shotcrete Tunnel Lining
<b>31-75-00</b>	<b>Shaft Construction</b>
31-75-13	Cast-In-Place Concrete Shaft Lining
31-75-16	Precast Concrete Shaft Lining
<b>31-77-00</b>	<b>Submersible Tube Tunnels</b>
31-77-13	Trench Excavation For Submerged Tunnels
31-77-16	Tube Construction (Outfitting Tunnel Tubes)
31-77-19	Floating And Laying Submerged Tunnels
<b>31-80-00</b>	<b>Unassigned</b>
<b>31-90-00</b>	<b>Unassigned</b>

## **32-00-00 EXTERIOR IMPROVEMENTS**

32-00-10	Exterior Improvements -- Subcontractors
<b>32-01-00</b>	<b>Operation And Maintenance Of Exterior Improvements</b>
32-01-11	Paving Cleaning
32-01-13	Flexible Paving Surface Treatment
32-01-16	Flexible Paving Rehabilitation
32-01-17	Flexible Paving Repair
32-01-19	Rigid Paving Surface Treatment
32-01-23	Base Course Reconditioning
32-01-26	Rigid Paving Rehabilitation
32-01-29	Rigid Paving Repair
32-01-30	Operation And Maintenance Of Site Improvements
32-01-80	Operation And Maintenance Of Irrigation
32-01-90	Operation And Maintenance Of Planting
<b>32-05-00</b>	<b>Common Work Results For Exterior Improvements</b>
32-05-13	Soils For Exterior Improvements
32-05-16	Aggregates For Exterior Improvements
32-05-19	Geosynthetics For Exterior Improvements
32-05-23	Cement And Concrete For Exterior Improvements

32-05-33	Common Work Results For Planting
<b>32-06-00</b>	<b>Schedules For Exterior Improvements</b>
32-06-10	Schedules For Bases, Ballasts, And Paving
32-06-30	Schedules For Site Improvements
32-06-80	Schedules For Irrigation
32-06-90	Schedules For Planting
<b>32-08-00</b>	<b>Commissioning Of Exterior Improvements</b>
<b>32-10-00</b>	<b>Bases , Ballasts, And Paving</b>
<b>32-11-00</b>	<b>Base Courses</b>
32-11-13	Subgrade Modifications
32-11-16	Subbase Courses
32-11-23	Aggregate Base Courses
32-11-26	Asphaltic Base Courses
32-11-29	Lime Treated Base Courses
32-11-33	Cement-Treated Base Courses
32-11-36	Concrete Base Courses
<b>32-12-00</b>	<b>Flexible Paving</b>
32-12-13	Preparatory Coats
32-12-16	Asphalt Paving
32-12-19	Asphalt Paving Wearing Courses
32-12-33	Flexible Paving Surface Treatments
32-12-36	Seal Coats
32-12-43	Porous Flexible Paving
32-12-73	Asphalt Paving Joint Sealants
<b>32-13-00</b>	<b>Rigid Paving</b>
32-13-13	Concrete Paving
32-13-16	Decorative Concrete Paving
32-13-73	Concrete Paving Joint Sealants
<b>32-14-00</b>	<b>Unit Paving</b>
32-14-13	Precast Concrete Unit Paving
32-14-16	Brick Unit Paving
32-14-23	Asphalt Unit Paving
32-14-26	Wood Paving
32-14-29	Recycled -Rubber Paving
32-14-40	Stone Paving
32-14-43	Porous Unit Paving
<b>32-15-00</b>	<b>Aggregate Surfacing</b>
32-15-13	Cinder Surfacing
32-15-40	Crushed Stone Surfacing

## **32-16-00**

32-16-13

32-16-19

32-16-40

## **32-17-00**

32-17-13

32-17-23

32-17-26

## **32-18-00**

32-18-13

32-18-16

32-18-23

## **32-20-00**

## **32-30-00**

### **32-31-00**

32-31-13

32-31-16

32-31-19

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32-31-26

32-31-29

### **32-32-00**

32-32-13

32-32-16

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32-32-29

32-32-34

32-32-36

32-32-43

### **32-34-00**

### **32-35-00**

32-35-13

32-35-16

### **32-40-00**

### **32-50-00**

### **32-60-00**

## **32-70-00**

### **Curbs And Gutters**

Concrete Curbs And Gutters

Asphalt Curbs

Stone Curbs

### **Paving Specialties**

Parking Bumpers

Pavement Markings

Tactile Warning Surfacing

### **Athletic And Recreational Surfacing**

Synthetic Grass Surfacing

Synthetic Resilient Surfacing

Athletic Surfacing

### **Unassigned**

## **Site Improvements**

### **Fences And Gates**

Chain Link Fences And Gates

Welded Wire Fences And Gates

Decorative Metal Fences And Gates

Plastic Fences And Gates

Wire Fences And Gates

Wood Fences And Gates

### **Retaining Walls**

Cast-In-Place Concrete Retaining Walls

Precast Concrete Retaining Walls

Unit Masonry Retaining Walls

Segmental Retaining Walls

Metal Crib Retaining Walls

Timber Retaining Walls

Reinforced Soil Retaining Walls

Gabion Retaining Walls

Soldier-Beam Retaining Walls

### **Fabricated Bridges**

### **Screening Devices**

Screens And Louvers

Sound Barriers

### **Unassigned**

### **Unassigned**

### **Unassigned**

## **Wetlands**

<b>32-71-00</b>	<b>Constructed Wetlands</b>
<b>32-72-00</b>	<b>Wetlands Restoration</b>
<b>32-80-00</b>	<b>Irrigation</b>
<b>32-82-00</b>	<b>Irrigation Pumps</b>
<b>32-84-00</b>	<b>Planting Irrigation</b>
32-84-13	Drip Irrigation
32-84-23	Underground Sprinklers
<b>32-86-00</b>	<b>Agricultural Irrigation</b>
<b>32-90-00</b>	<b>Planting</b>
<b>32-91-00</b>	<b>Planting Preparation</b>
32-91-13	Soil Preparation
32-91-16	Planting Soil Stabilization
32-91-19	Landscape Grading
<b>32-92-00</b>	<b>Turf And Grasses</b>
32-92-13	Hydro-Mulching
32-92-16	Plugging
32-92-19	Seeding
32-92-23	Sodding
32-92-26	Sprigging
<b>32-93-00</b>	<b>Plants</b>
32-93-13	Ground Covers
32-93-23	Plants And Bulbs
32-93-33	Shrubs
32-93-43	Trees
<b>32-94-00</b>	<b>Planting Accessories</b>
32-94-13	Landscape Edging
32-94-16	Landscape Timbers
32-94-33	Planters
32-94-43	Tree Grates
32-94-46	Tree Grids
<b>32-96-00</b>	<b>Transplanting</b>
32-96-13	Ground Cover Transplanting
32-96-23	Plant And Bulb Transplanting
32-96-33	Shrub Transplanting
32-96-43	Tree Transplanting

## **33-00-00 UTILITIES**

33-00-10	Utilities -- Subcontractors
<b>33-01-00</b>	<b>Operation And Maintenance Of Utilities</b>

Construction Administration

CSI Master List (Rev 2013)

33-01-10	Operation And Maintenance Of Water Utilities
33-01-20	Operation And Maintenance Of Wells
33-01-30	Operation And Maintenance Of Sewer Utilities
33-01-50	Operation And Maintenance Of Fuel Distribution Lines
33-01-60	Operation And Maintenance Of Hydronic And Steam Energy Utilities
33-01-70	Operation And Maintenance Of Electrical Utilities
33-01-80	Operation And Maintenance Of Communications Utilities
<b>33-05-00</b>	<b>Common Work Results For Utilities</b>
33-05-13	Manholes And Structures
33-05-16	Utility Structures
33-05-19	Pressure Piping Tied Joint Restraint System
33-05-23	Trenchless Utility Installation
33-05-26	Utility Line Signs, Markers, And Flags
<b>33-06-00</b>	<b>Schedules For Utilities</b>
33-06-10	Schedules For Water Utilities
33-06-20	Schedules For Wells
33-06-30	Schedules For Sanitary Sewerage Utilities
33-06-40	Schedules For Storm Drainage Utilities
33-06-50	Schedules For Fuel Distribution Utilities
33-06-60	Schedules For Hydronic And Steam Energy Utilities
33-06-70	Schedules For Electrical Utilities
33-06-80	Schedules For Communications Utilities
<b>33-08-00</b>	<b>Commissioning Of Utilities</b>
33-08-10	Commissioning Of Water Utilities
33-08-20	Commissioning Of Wells
33-08-30	Commissioning Of Sanitary Sewerage Utilities
33-08-40	Commissioning Of Storm Drainage Utilities
33-08-50	Commissioning Of Fuel Distribution Utilities
33-08-60	Commissioning Of Hydronic And Steam Energy Utilities
33-08-70	Commissioning Of Electrical Utilities
33-08-80	Commissioning Of Communications Utilities
<b>33-09-00</b>	<b>Instrumentation And Control For Utilities</b>
33-09-10	Instrumentation And Control For Water Utilities
33-09-20	Instrumentation And Control For Wells
33-09-30	Instrumentation And Control For Sanitary Sewerage Utilities
33-09-40	Instrumentation And Control For Storm Drainage Utilities
33-09-50	Instrumentation And Control For Fuel Distribution Utilities
33-09-60	Instrumentation And Control For Hydronic And Steam Energy Utilities
33-09-70	Instrumentation And Control For Electrical Utilities

33-09-80 Instrumentation And Control For Communications Utilities

## **33-10-00 Water Utilities**

### **33-11-00 Water Utility Distribution Piping**

33-11-13 Public Water Utility Distribution Piping

33-11-16 Site Water Utility Distribution Piping

33-11-19 Fire Suppression Utility Water Distribution Piping

### **33-12-00 Water Utility Distribution Equipment**

33-12-13 Water Service Connections

33-12-16 Water Utility Distribution Valves

33-12-19 Water Utility Distribution Fire Hydrants

33-12-23 Water Utility Pumping Stations

33-12-33 Water Utility Metering

### **33-13-00 Disinfecting Of Water Utility Distribution**

### **33-16-00 Water Utility Storage Tanks**

33-16-13 Aboveground Water Utility Storage Tanks

33-16-16 Underground Water Utility Storage Tanks

33-16-19 Elevated Water Utility Storage Tanks

## **33-20-00 Wells**

### **33-21-00 Water Supply Wells**

33-21-13 Public Water Supply Wells

33-21-16 Irrigation Water Wells

### **33-22-00 Test Wells**

### **33-23-00 Extraction Wells**

### **33-24-00 Monitoring Wells**

33-24-13 Groundwater Monitoring Wells

### **33-25-00 Recharge Wells**

### **33-26-00 Relief Wells**

### **33-29-00 Well Abandonment**

## **33-30-00 Sanitary Sewerage Utilities**

### **33-31-00 Sanitary Utility Sewerage Piping**

33-31-13 Public Sanitary Utility Sewerage Piping

33-31-16 Industrial Waste Utility Sewerage Piping

### **33-32-00 Wastewater Utility Pumping Stations**

33-32-13 Packaged Utility Lift Stations

33-32-16 Packaged Utility Wastewater Pumping Stations

33-32-19 Public Utility Wastewater Pumping Stations

### **33-33-00 Low Pressure Utility Sewerage**

33-33-13 Sanitary Utility Sewerage

33-33-16 Combined Utility Sewerage

<b>33-34-00</b>	<b>Sanitary Utility Sewerage Force Mains</b>
33-34-13	Sanitary Utility Sewerage Inverted Siphons
<b>33-36-00</b>	<b>Utility Septic Tanks</b>
33-36-13	Utility Septic Tank And Effluent Wet Wells
33-36-16	Utility Septic Tank Effluent Pumps
33-36-33	Utility Drainage Field
<b>33-39-00</b>	<b>Sanitary Utility Sewerage Structures</b>
33-39-13	Sanitary Utility Sewerage Manholes, Frames, And Covers
33-39-23	Sanitary Utility Sewerage Cleanouts
<b>33-40-00</b>	<b>Storm Drainage Utilities</b>
<b>33-41-00</b>	<b>Storm Utility Drainage Piping</b>
33-41-13	Public Storm Utility Drainage Piping
<b>33-42-00</b>	<b>Culverts</b>
33-42-13	Pipe Culverts
33-42-16	Concrete Culverts
<b>33-44-00</b>	<b>Storm Utility Water Drains</b>
33-44-13	Utility Area Drains
33-44-16	Utility Trench Drains
33-44-19	Utility Storm Water Treatment
<b>33-45-00</b>	<b>Storm Utility Drainage Pumps</b>
<b>33-46-00</b>	<b>Subdrainage</b>
33-46-13	Foundation Drainage
33-46-16	Subdrainage Piping
33-46-19	Underslab Drainage
33-46-23	Drainage Layers
33-46-26	Geotextile Subsurface Drainage Filtration
33-46-33	Retaining Wall Drainage
<b>33-47-00</b>	<b>Ponds And Reservoirs</b>
33-47-13	Pond And Reservoir Liners
33-47-16	Pond And Reservoir Covers
33-47-19	Water Ponds And Reservoirs
33-47-23	Sanitary Sewerage Lagoons
33-47-26	Storm Drainage Ponds And Reservoirs
<b>33-49-00</b>	<b>Storm Drainage Structures</b>
33-49-13	Storm Drainage Manholes, Frames, And Covers
33-49-23	Storm Drainage Water Retention Structures
<b>33-50-00</b>	<b>Fuel Distribution Utilities</b>
<b>33-51-00</b>	<b>Natural -Gas Distribution</b>
33-51-13	Natural-Gas Piping



33-51-33	Natural-Gas Metering
<b>33-52-00</b>	<b>Liquid Fuel Distribution</b>
33-52-13	Fuel -Oil Distribution
33-52-16	Gasoline Distribution
33-52-19	Diesel Fuel Distribution
33-52-43	Aviation Fuel Distribution
<b>33-56-00</b>	<b>Fuel -Storage Tanks</b>
33-56-13	Aboveground Fuel -Storage Tanks
33-56-16	Underground Fuel-Storage Tanks
33-56-43	Aviation Fuel-Storage Tanks
33-56-53	Compressed Gases Storage Tanks
<b>33-60-00</b>	<b>Hydronic And Steam Energy Utilities</b>
<b>33-61-00</b>	<b>Hydronic Energy Distribution</b>
33-61-13	Underground Hydronic Energy Distribution
33-61-23	Aboveground Hydronic Energy Distribution
33-61-33	Hydronic Energy Distribution Metering
<b>33-63-00</b>	<b>Steam Energy Distribution</b>
33-63-13	Underground Steam And Condensate Distribution Piping
33-63-23	Aboveground Steam And Condensate Distribution Piping
33-63-33	Steam Energy Distribution Metering
<b>33-70-00</b>	<b>Electrical Utilities</b>
<b>33-71-00</b>	<b>Electrical Utility Transmission And Distribution</b>
33-71-13	Electrical Utility Towers
33-71-16	Electrical Utility Poles
33-71-19	Electrical Underground Ducts And Manholes
33-71-23	Insulators And Fittings
33-71-26	Transmission And Distribution Equipment
33-71-36	Extra-High-Voltage Wiring
33-71-39	High-Voltage Wiring
33-71-49	Medium -Voltage Wiring
33-71-53	Direct-Current Transmission
33-71-73	Electrical Utility Services
33-71-83	Transmission And Distribution Specialties
<b>33-72-00</b>	<b>Utility Substations</b>
33-72-13	Deadend Structures
33-72-23	Structural Bus Supports
33-72-26	Substation Bus Assemblies
33-72-33	Control House Equipment
33-72-43	Substation Control Wiring

## **33-73-00**

33-73-13

33-73-23

## **33-75-00**

33-75-13

33-75-16

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33-75-23

33-75-36

33-75-39

33-75-43

## **33-77-00**

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## **33-79-00**

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33-79-93

## **33-80-00**

### **33-81-00**

33-81-13

33-81-16

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33-81-26

33-81-29

33-81-33

### **33-82-00**

33-82-13

### **Utility Transformers**

Liquid-Filled Utility Transformers

Dry-Type Utility Transformers

### **High-Voltage Switchgear And Protection Devices**

Air High-Voltage Circuit Breaker

Oil High-Voltage Circuit Breaker

Gas High-Voltage Circuit Breaker

Vacuum High -Voltage Circuit Breaker

High-Voltage Utility Fuses

High-Voltage Surge Arresters

Shunt Reactors

### **Medium-Voltage Utility Switchgear And Protection Devices**

Air Medium -Voltage Circuit Breaker

Oil Medium -Voltage Circuit Breaker

Gas Medium -Voltage Circuit Breaker

Vacuum Medium -Voltage Circuit Breaker

Medium -Voltage Utility Fusible Interrupter Switchgear

Medium -Voltage Utility Cutouts

Medium -Voltage Utility Fuses

Medium -Voltage Utility Surge Arresters

Medium -Voltage Utility Reclosers

### **Site Grounding**

Site Improvements Grounding

Tower Grounding

Utilities Grounding

Utility Substation Grounding

Site Grounding Conductors

Site Lightning Protection

### **Communications Utilities**

#### **Communications Structures**

Communications Transmission Towers

Antenna Towers

Communications Utility Poles

Aerial Cable Installation Hardware

Communications Underground Ducts, Manholes, And Handholes

Communications Vaults, Pedestals And Enclosures

Communications Blowers, Fans, And Ventilation

#### **Communications Distribution**

Copper Communications Distribution Cabling

33-82-23	Optical Fiber Communications Distribution Cabling
33-82-33	Coaxial Communications Distribution Cabling
33-82-43	Grounding And Bonding For Communications Distribution
33-82-46	Cable Pressurization Equipment
33-82-53	Cleaning, Lubrication And Restoration Chemicals
<b>33-83-00</b>	<b>Wireless Communications Distribution</b>
33-83-13	Laser Transmitters And Receivers
33-83-16	Microwave Transmitters And Receivers
33-83-19	Infrared Transmitters And Receivers
33-83-23	Uhf/Vhf Transmitters And Antennas
<b>33-90-00</b>	<b>Unassigned</b>

## **34-00-00 TRANSPORTATION**

34-00-10	Transportation -- Subcontractors
<b>34-01-00</b>	<b>Operation And Maintenance Of Transportation</b>
34-01-13	Operation And Maintenance Of Roadways
34-01-23	Operation And Maintenance Of Railways
34-01-33	Operation And Maintenance Of Airfields
34-01-43	Operation And Maintenance Of Bridges
<b>34-05-00</b>	<b>Common Work Results For Transportation</b>
34-05-13	Common Work Results For Roadways
34-05-23	Common Work Results For Railways
34-05-33	Common Work Results For Airports
34-05-43	Common Work Results For Bridges
<b>34-06-00</b>	<b>Schedules For Transportation</b>
34-06-13	Schedules For Roadways
34-06-23	Schedules For Railways
34-06-33	Schedules For Airfields
34-06-43	Schedules For Bridges
<b>34-08-00</b>	<b>Commissioning Of Transportation</b>
34-08-13	Commissioning Of Roadways
34-08-23	Commissioning Of Railways
34-08-33	Commissioning Of Airfields
34-08-43	Commissioning Of Bridges
<b>34-10-00</b>	<b>Guideways/Railways</b>
<b>34-11-00</b>	<b>Rail Tracks</b>
34-11-13	Track Rails
34-11-16	Welded Track Rails
34-11-19	Track Rail Joints

34-11-23	Special Trackwork
34-11-26	Ballasted Track Rail
34-11-29	Embedded Track Rail
34-11-33	Track Cross Ties
34-11-36	Track Rail Fasteners
34-11-39	Track Collector Pans
34-11-93	Track Appurtenances And Accessories
<b>34-12-00</b>	<b>Monorails</b>
34-12-13	Elevated Monorails
34-12-16	On-Grade Monorails
34-12-19	Below-Grade Monorails
34-12-23	Maglev Monorail
34-12-63	Monorail Track
<b>34-13-00</b>	<b>Funiculars</b>
34-13-13	Inclined Railway
<b>34-14-00</b>	<b>Cable Transportation</b>
34-14-13	Aerial Tramways
34-14-19	Gondolas
34-14-26	Funitels
34-14-33	Chairlifts
34-14-39	Surface Lifts
34-14-46	Ropeway Tows
34-14-53	Cable Car Systems
<b>34-20-00</b>	<b>Traction Power</b>
<b>34-21-00</b>	<b>Traction Power Distribution</b>
34-21-13	High Power Static Frequency Converters
34-21-16	Traction Power Substations
34-21-19	Traction Power Switchgear
34-21-23	Traction Power Transformer-Rectifier Units
<b>34-23-00</b>	<b>Overhead Traction Power</b>
34-23-13	Traction Power Poles
34-23-16	Overhead Cable Suspension
34-23-23	Overhead Traction Power Cables
<b>34-24-00</b>	<b>Third Rail Traction Power</b>
34-24-13	Bottom -Contact Third Rail
34-24-16	Side-Contact Third Rail
34-24-19	Top-Contact Third Rail
<b>34-30-00</b>	<b>Unassigned</b>
<b>34-40-00</b>	<b>Transportation Signaling And Control Equipment</b>

<b>34-41-00</b>	<b>Roadway Signaling And Control Equipment</b>
34-41-13	Traffic Signals
34-41-16	Traffic Control Equipment
34-41-23	Roadway Monitoring Equipment
<b>34-42-00</b>	<b>Railway Signaling And Control Equipment</b>
34-42-13	Railway Signals
34-42-16	Train Control Wires And Cables
34-42-19	Vital Interlocking Logic Controllers
34-42-23	Railway Control Equipment
34-42-26	Rail Network Equipment
34-42-29	Station Agent Equipment
34-42-33	Yard Management Equipment
34-42-36	Supervisory Control And Data Acquisition
<b>34-43-00</b>	<b>Airfield Signaling And Control Equipment</b>
34-43-13	Airfield Signals
34-43-16	Airfield Landing Equipment
34-43-19	Airfield Traffic Control Tower Equipment
34-43-23	Weather Observation Equipment
34-43-26	Airfield Control Equipment
<b>34-48-00</b>	<b>Bridge Signaling And Control Equipment</b>
34-48-13	Operating Bridge Signals
34-48-16	Operating Bridge Control Equipment
<b>34-50-00</b>	<b>Transportation Fare Collection Equipment</b>
<b>34-52-00</b>	<b>Vehicle Fare Collection</b>
34-52-16	Vehicle Ticketing Equipment
34-52-26	Vehicle Fare Collection Equipment
34-52-33	Vehicle Fare Gates
<b>34-54-00</b>	<b>Passenger Fare Collection</b>
34-54-16	Passenger Ticketing Equipment
34-54-26	Passenger Fare Collection Equipment
34-54-33	Passenger Fare Gates
<b>34-60-00</b>	<b>Unassigned</b>
<b>34-70-00</b>	<b>Transportation Construction And Equipment</b>
<b>34-71-00</b>	<b>Roadway Construction</b>
34-71-13	Vehicle Barriers
34-71-16	Impact Attenuating Devices
34-71-19	Vehicle Delineators
<b>34-72-00</b>	<b>Railway Construction</b>
34-72-13	Railway Line

34-72-16	Railway Siding
<b>34-73-00</b>	<b>Airfield Construction</b>
34-73-13	Aircraft Tiedowns
34-73-16	Airfield Grounding
34-73-19	Jet Blast Barriers
34-73-23	Manufactured Airfield Control Towers
34-73-26	Manufactured Helipads
<b>34-75-00</b>	<b>Roadway Equipment</b>
34-75-13	Operable Roadway Equipment
<b>34-76-00</b>	<b>Railway Equipment</b>
34-76-13	Roadway Crossing Control Equipment
<b>34-77-00</b>	<b>Transportation Equipment</b>
34-77-13	Passenger Loading Bridges
34-77-16	Baggage Handling Equipment
<b>34-80-00</b>	<b>Bridges</b>
<b>34-81-00</b>	<b>Bridge Machinery</b>
34-81-13	Single -Swing Bridge Machinery
34-81-16	Double-Swing Bridge Machinery
34-81-19	Cantilever Bridge Machinery
34-81-23	Lift Bridge Machinery
34-81-26	Sliding Bridge Machinery
<b>34-82-00</b>	<b>Bridge Specialties</b>
34-82-13	Bridge Vibration Dampers
34-82-19	Bridge Pier Protection
<b>34-90-00</b>	<b>Unassigned</b>

## **35-00-00 WATERWAY AND MARINE CONSTRUCTION**

35-00-10	Waterway and Marine Construction -- Subcontractors
<b>35-01-00</b>	<b>Operation And Maintenance Of Waterway And Marine Construction</b>
35-01-30	Operation And Maintenance Of Coastal Construction
35-01-40	Operation And Maintenance Of Waterway Construction
35-01-50	Operation And Maintenance Of Marine Construction
35-01-70	Operation And Maintenance Of Dams
<b>35-05-00</b>	<b>Common Work Results For Waterway And Marine Construction</b>
35-05-30	Common Work Results For Coastal Construction
35-05-40	Common Work Results For Waterway Construction
35-05-50	Common Work Results For Marine Construction
35-05-70	Common Work Results For Dams
<b>35-06-00</b>	<b>Schedules For Waterway And Marine Construction</b>

35-06-30	Schedules For Coastal Construction
35-06-40	Schedules For Waterway Construction
35-06-50	Schedules For Marine Construction
35-06-70	Schedules For Dams
<b>35-08-00</b>	<b>Commissioning Of Waterway And Marine Construction</b>
35-08-30	Commissioning Of Coastal Construction
35-08-40	Commissioning Of Waterway Construction
35-08-50	Commissioning Of Marine Construction
35-08-70	Commissioning Of Dams
<b>35-10-00</b>	<b>Waterway And Marine Signaling And Control Equipment</b>
<b>35-11-00</b>	<b>Signaling And Control Equipment For Waterways</b>
35-11-13	Signaling Equipment For Waterways
35-11-53	Control Equipment For Waterways
<b>35-12-00</b>	<b>Marine Signaling And Control Equipment</b>
35-12-13	Marine Signaling Equipment
35-12-33	Marine Navigation Equipment
35-12-53	Marine Control Equipment
<b>35-13-00</b>	<b>Signaling And Control Equipment For Dams</b>
35-13-13	Signaling Equipment For Dams
35-13-53	Control Equipment For Dams
<b>35-20-00</b>	<b>Waterway And Marine Construction And Equipment</b>
35-20-13	Hydraulic Fabrications
35-20-16	Hydraulic Gates
35-20-19	Hydraulic Valves
35-20-23	Dredging
<b>35-30-00</b>	<b>Coastal Construction</b>
<b>35-31-00</b>	<b>Shoreline Protection</b>
35-31-16	Seawalls
35-31-19	Revetments
35-31-23	Breakwaters
35-31-26	Jetties
35-31-29	Groins
<b>35-32-00</b>	<b>Artificial Reefs</b>
35-32-13	Scrap Material Artificial Reefs
35-32-16	Constructed Artificial Reefs
<b>35-40-00</b>	<b>Waterway Construction And Equipment</b>
<b>35-41-00</b>	<b>Levees</b>
35-41-13	Landside Levee Berms
35-41-16	Levee Cutoff Trenches

35-41-19	Levee Relief Wells
<b>35-42-00</b>	<b>Waterway Bank Protection</b>
35-42-13	Piling Bank Protection
35-42-29	Grout-Bag Bank Protection
35-42-34	Soil Reinforcement Bank Protection
35-42-35	Slope Protection Bank Protection
35-42-36	Gabion Bank Protection
35-42-37	Riprap Bank Protection
35-42-53	Wall Bank Protection
<b>35-43-00</b>	<b>Waterway Scour Protection</b>
35-43-29	Grout-Bag Scour Protection
35-43-34	Soil Reinforcement Scour Protection
35-43-35	Slope Protection Scour Protection
35-43-36	Gabion Scour Protection
35-43-37	Riprap Scour Protection
35-43-53	Wall Scour Protection
<b>35-49-00</b>	<b>Waterway Structures</b>
35-49-13	Floodwalls
35-49-23	Waterway Locks
<b>35-50-00</b>	<b>Marine Construction And Equipment</b>
<b>35-51-00</b>	<b>Floating Construction</b>
35-51-13	Floating Piers
35-51-23	Pontoons
<b>35-52-00</b>	<b>Offshore Platform Construction</b>
35-52-13	Fixed Offshore Platform Construction
35-52-23	Semi-Submersible Offshore Platform Construction
35-52-33	Floating Offshore Platform Construction
<b>35-53-00</b>	<b>Underwater Construction</b>
35-53-23	Underwater Harbor Deepening
35-53-33	Underwater Pipeline Construction
35-53-43	Underwater Foundation Construction
35-53-53	Underwater Structures Construction
35-53-63	Underwater Waterproofing
<b>35-59-00</b>	<b>Marine Specialties</b>
35-59-13	Marine Fenders
35-59-23	Buoys
35-59-29	Mooring Devices
35-59-33	Marine Bollards And Cleats
35-59-93	Marine Chain And Accessories



35-60-00

Unassigned

## **35-70-00**

### **Dam Construction And Equipment**

#### **35-71-00**

#### **Gravity Dams**

35-71-13

Concrete Gravity Dams

35-71-16

Masonry Gravity Dams

35-71-19

Rockfill Gravity Dams

#### **35-72-00**

#### **Arch Dams**

35-72-13

Concrete Arch Dams

35-73-00

Embankment Dams

35-73-13

Earth Embankment Dam

35-73-16

Rock Embankment Dams

#### **35-74-00**

#### **Buttress Dams**

35-74-13

Concrete Buttress Dams

#### **35-79-00**

#### **Auxiliary Dam Structures**

35-79-13

Fish Ladders

35-80-00

Unassigned

35-90-00

Unassigned

## **40-00-00 PROCESS INTEGRATION**

40-00-10

Process Integration -- Subcontractors

#### **40-01-00**

#### **Operation And Maintenance Of Process Integration**

40-01-10

Operation And Maintenance Of Gas And Vapor Process Piping

40-01-20

Operation And Maintenance Of Liquids Process Piping

40-01-30

Operation And Maintenance Of Solid And Mixed Materials Piping And Chut

40-01-40

Operation And Maintenance Of Process Piping And Equipment Protection

#### **40-05-00**

#### **Common Work Results For Process Integration**

40-05-13

Common Work Results For Process Piping

40-05-23

Common Work Results For Process Valves

#### **40-06-00**

#### **Schedules For Process Integration**

40-06-10

Schedules For Gas And Vapor Process Piping

40-06-20

Schedules For Liquids Process Piping

40-06-30

Schedules For Solid And Mixed Materials Piping And Chutes

40-06-40

Schedules For Process Piping And Equipment Protection

#### **40-10-00**

#### **Gas And Vapor Process Piping**

#### **40-11-00**

#### **Steam Process Piping**

40-11-13

Low-Pressure Steam Process Piping

40-11-16

Intermediate -Pressure Steam Process Piping

40-11-19

High-Pressure Steam Process Piping

40-11-23

Condensate Process Piping

<b>40-12-00</b>	<b>Compressed Air Process Piping</b>
40-12-13	Breathing Compressed Air Process Piping
40-12-16	Non-Breathing Compressed Air Process Piping
<b>40-13-00</b>	<b>Inert Gases Process Piping</b>
40-13-13	Argon Process Piping
40-13-16	Carbon -Dioxide Process Piping
40-13-19	Helium Process Piping
40-13-23	Krypton Process Piping
40-13-26	Neon Process Piping
40-13-29	Nitrogen Process Piping
40-13-33	Xenon Process Piping
40-13-93	Mixed Inert Gases Process Piping
<b>40-14-00</b>	<b>Fuel Gases Process Piping</b>
40-14-13	Blast Furnace Piping
40-14-16	Blue (Water) Fuel Gas Piping
40-14-19	Butane Piping
40-14-23	Carbon -Monoxide Piping
40-14-26	Chlorine Fuel Gas Piping
40-14-29	Coke Oven Gas Piping
40-14-33	Ethane-Gas Piping
40-14-36	Hydrogen Fuel Gas Piping
40-14-39	Liquid Natural -Gas Process Piping
40-14-43	Methylacetylene-Propadiene Fuel Gas Piping
40-14-49	Natural-Gas Process Piping
40-14-53	Octane Fuel Gas Piping
40-14-59	Propane Fuel Gas Process Piping
40-14-63	Sewage Fuel Gas Piping
40-14-93	Mixed Fuel Gases Piping
<b>40-15-00</b>	<b>Combustion System Gas Piping</b>
40-15-13	Combustion Air Piping
40-15-16	Oxygen Combustion System Gas Piping
40-15-19	Flue -Gas Combustion System Piping
40-15-23	Exothermic -Gas Combustion System Piping
40-15-26	Endothermic -Gas Combustion System Piping
40-15-29	Disassociated-Ammonia-Gas Combustion System Piping
<b>40-16-00</b>	<b>Specialty And High-Purity Gases Piping</b>
40-16-13	Ammonia Gas Piping
40-16-16	Boron Gas Piping
40-16-26	Diborane Gas Piping

40-16-29	Flourine Gas Piping
40-16-33	Hydrogen Sulfide Gas Piping
40-16-36	Nitrous-Oxide Gas Process Piping
40-16-39	Ozone Gas Piping
40-16-43	Phosphine Gas Piping
40-16-46	Silane Gas Piping
40-16-49	Sulphur-Dioxide Gas Piping
40-16-53	Specialty Gas Mixtures Piping
40-16-56	High-Purity Gas Piping Components
<b>40-17-00</b>	<b>Welding And Cutting Gases Piping</b>
40-17-13	Acetylene Welding And Cutting Piping
40-17-16	Acetylene-Hydrogen Mix Welding And Cutting Piping
40-17-19	Methylacetylene-Propadiene Welding And Cutting Piping
40-17-23	Oxygen Welding And Cutting Piping
40-17-26	Inert Gas Welding And Cutting Piping
<b>40-18-00</b>	<b>Vacuum Systems Process Piping</b>
40-18-13	Low-Vacuum Systems Process Piping
40-18-16	High-Vacuum Systems Process Piping
<b>40-20-00</b>	<b>Liquids Process Piping</b>
<b>40-21-00</b>	<b>Liquid Fuel Process Piping</b>
40-21-13	Bio Fuels Process Piping
40-21-16	Gasoline Process Piping
40-21-19	Diesel Process Piping
40-21-23	Fuel -Oils Process Piping
<b>40-22-00</b>	<b>Petroleum Products Piping</b>
40-22-13	Heavy-Fractions Petroleum Products Piping
40-22-16	Light-Fractions Petroleum Products Piping
<b>40-23-00</b>	<b>Water Process Piping</b>
40-23-13	De-Ionized Water Process Piping
40-23-16	Distilled-Water Process Piping
40-23-19	Process Plant Water Piping
40-23-23	Potable Water Process Piping
40-23-29	Recirculated Water Process Piping
40-23-33	Reverse-Osmosis Water Process Piping
40-23-36	Sanitary Water Process Piping
<b>40-24-00</b>	<b>Specialty Liquid Chemicals Piping</b>
40-24-13	Alcohol Piping
40-24-16	Gel Piping
40-24-19	Slurries Process Piping

40-24-23	Thixotropic Liquid Piping
<b>40-25-00</b>	<b>Liquid Acids And Bases Piping</b>
40-25-13	Liquid Acids Piping
40-25-16	Liquid Bases Piping
<b>40-26-00</b>	<b>Liquid Polymer Piping</b>
<b>40-30-00</b>	<b>Solid And Mixed Materials Piping And Chutes</b>
<b>40-32-00</b>	<b>Bulk Materials Piping And Chutes</b>
40-32-13	Abrasive Materials Piping And Chutes
40-32-16	Nonabrasive Materials Piping And Chutes
<b>40-33-00</b>	<b>Bulk Materials Valves</b>
40-33-13	Airlock Bulk Materials Valves
40-33-16	Blind Bulk Materials Valves
40-33-19	Butterfly Bulk Materials Valves
40-33-23	Cone Bulk Materials Valves
40-33-26	Diverter Bulk Materials Valves
40-33-29	Double Or Single Dump Bulk Materials Valves
40-33-33	Knife And Slide Gate Bulk Materials Valves
40-33-36	Pinch Bulk Materials Valves
40-33-39	Swing Bulk Materials Valves
40-33-43	Specialty Bulk Materials Valves
<b>40-34-00</b>	<b>Pneumatic Conveying Lines</b>
40-34-13	Dense Phase Pneumatic Conveying Lines
40-34-16	Dilute Phase Pneumatic Conveying Lines
<b>40-40-00</b>	<b>Process Piping And Equipment Protection</b>
<b>40-41-00</b>	<b>Process Piping And Equipment Heat Tracing</b>
40-41-13	Process Piping Heat Tracing
40-41-23	Process Equipment Heat Tracing
<b>40-42-00</b>	<b>Process Piping And Equipment Insulation</b>
40-42-13	Process Piping Insulation
40-42-23	Process Equipment Insulation
<b>40-46-00</b>	<b>Process Corrosion Protection</b>
40-46-16	Coatings And Wrappings For Process Corrosion Protection
40-46-42	Cathodic Process Corrosion Protection
<b>40-47-00</b>	<b>Refractories</b>
40-47-13	Silica Refractories
40-47-16	Alumina Refractories
40-47-19	Carbon And Graphite Refractories
40-47-23	Castable Refractories
40-47-26	Rammed Refractories

40-47-29	Refractory Concrete
40-50-00	Unassigned
40-60-00	Unassigned
40-70-00	Unassigned
<b>40-80-00</b>	<b>Commissioning Of Process Systems</b>
<b>40-90-00</b>	<b>Instrumentation And Control For Process Systems</b>
<b>40-91-00</b>	<b>Primary Process Measurement Devices</b>
40-91-13	Chemical Properties Process Measurement Devices
40-91-16	Electromagnetic Process Measurement Devices
40-91-19	Physical Properties Process Measurement Devices
40-91-23	Miscellaneous Properties Measurement Devices
<b>40-92-00</b>	<b>Primary Control Devices</b>
40-92-13	Primary Control Valves
40-92-29	Current-To-Pressure Converters
40-92-33	Self-Contained Flow Controllers
40-92-36	Linear Actuators And Positioners
40-92-39	Self-Contained Pressure Regulators
40-92-43	Rotary Actuators
40-92-46	Saturable Core Reactors
40-92-49	Variable Frequency Drives
40-92-53	Voltage-To-Pressure Converters
<b>40-93-00</b>	<b>Analog Controllers/Recorders</b>
40-93-13	Analog Controllers
40-93-23	Chart Recorders
<b>40-94-00</b>	<b>Digital Process Controllers</b>
40-94-13	Digital Process Control Computers
40-94-33	Human - Machine Interfaces
40-94-43	Programmable Logic Process Controllers
<b>40-95-00</b>	<b>Process Control Hardware</b>
40-95-13	Process Control Panels And Hardware
40-95-20	Process Control Display Devices
40-95-23	Process Control Input/Output Modules
40-95-26	Process Control Instrument Air Piping And Devices
40-95-33	Process Control Networks
40-95-43	Process Control Hardware Interfaces
40-95-46	Process Control Mounting Racks And Supports
40-95-49	Process Control Routers
40-95-53	Process Control Switches
40-95-56	Process Control Transformers

40-95-63	Process Control Wireless Equipment
40-95-73	Process Control Wiring
<b>40-96-00</b>	<b>Process Control Software</b>
40-96-10	Process Control Software Architecture
40-96-15	Process Control Software Input/Output Lists
40-96-20	Process Control Software Instrument Lists
40-96-25	Process Control Software Logic Diagrams
40-96-30	Process Control Software Loop Diagrams
40-96-35	Process Control Software Programming
40-96-40	Process Control Software Reports
<b>40-97-00</b>	<b>Process Control Auxiliary Devices</b>
40-97-10	Process Control Annunciators
40-97-15	Process Control Gages
40-97-20	Process Control Rotameters
40-97-25	Process Control Potentiometers
40-97-30	Process Control Test Equipment

## **41-00-00 MATERIAL PROCESSING AND HANDLING EQUIPMENT**

41-00-10	Material Processing and Handling Equipment -- Subcontractors
<b>41-01-00</b>	<b>Operation And Maintenance Of Material Processing And Handling Equipmen</b>
41-01-10	Operation And Maintenance Of Bulk Material Processing Equipment
41-01-20	Operation And Maintenance Of Piece Material Handling Equipment
41-01-30	Operation And Maintenance Of Manufacturing Equipment
41-01-40	Operation And Maintenance Of Container Processing And Packaging
41-01-50	Operation And Maintenance Of Material Storage
41-01-60	Operation And Maintenance Of Mobile Plant Equipment
<b>41-06-00</b>	<b>Schedules For Material Processing And Handling Equipment</b>
41-06-10	Schedules For Bulk Material Processing Equipment
41-06-20	Schedules For Piece Material Handling Equipment
41-06-30	Schedules For Manufacturing Equipment
41-06-40	Schedules For Container Processing And Packaging
41-06-50	Schedules For Material Storage
41-06-60	Schedules For Mobile Plant Equipment
<b>41-08-00</b>	<b>Commissioning Of Material Processing And Handling Equipment</b>
41-08-10	Commissioning Of Bulk Material Processing Equipment
41-08-20	Commissioning Of Piece Material Handling Equipment
41-08-30	Commissioning Of Manufacturing Equipment
41-08-40	Commissioning Of Container Processing And Packaging
41-08-50	Commissioning Of Material Storage

41-08-60	Commissioning Of Mobile Plant Equipment
<b>41-10-00</b>	<b>Bulk Material Processing Equipment</b>
<b>41-11-00</b>	<b>Bulk Material Sizing Equipment</b>
41-11-13	Bulk Material Agglomerators
41-11-16	Bulk Material Air Mill Classifiers
41-11-19	Bulk Material Centrifuges
41-11-23	Bulk Material Crushers
41-11-26	Bulk Material Cyclones
41-11-29	Bulk Material Fluid Bed Separators
41-11-33	Bulk Material Grinders
41-11-36	Bulk Material Homogenizers
41-11-39	Bulk Material Lump Breakers
41-11-43	Bulk Material Mills
41-11-46	Bulk Material Pulverizers
41-11-49	Bulk Material Screens
41-11-53	Bulk Material Shredders
41-11-56	Bulk Material Sieves
<b>41-12-00</b>	<b>Bulk Material Conveying Equipment</b>
41-12-13	Bulk Material Conveyors
41-12-16	Bucket Elevators
41-12-19	Pneumatic Conveyors
<b>41-13-00</b>	<b>Bulk Material Feeders</b>
41-13-13	Bin Activators/Live Bin Bottoms
41-13-23	Feeders
<b>41-14-00</b>	<b>Batching Equipment</b>
41-14-13	Bag-Handling Batching Equipment
41-14-16	Batch Cars/Transports
41-14-19	Batch Hoppers
41-14-23	Bulk Bag-Handling Batching Equipment
41-14-26	Blenders
41-14-29	Drum -Handling Batching Equipment
41-14-33	Mixers
41-14-36	Weigh Scales
<b>41-20-00</b>	<b>Piece Material Handling Equipment</b>
<b>41-21-00</b>	<b>Conveyors</b>
41-21-13	Automatic Guided Vehicle Systems
41-21-23	Piece Material Conveyors
41-21-26	Piece Material Diverter Gates
41-21-29	Piece Material Gravity Slides

41-21-33	Piece Material Transfer Cars
41-21-36	Piece Material Turntables
41-21-39	Piece Material Feeders
<b>41-22-00</b>	<b>Cranes And Hoists</b>
41-22-13	Cranes
41-22-23	Hoists
41-22-33	Derricks
<b>41-23-00</b>	<b>Lifting Devices</b>
41-23-13	Clamps
41-23-16	Grabs
41-23-19	Hooks
41-23-23	Lifts
41-23-26	Slings
41-23-29	Spreader Bars/Beams
41-23-33	Tongs
<b>41-24-00</b>	<b>Specialty Material Handling Equipment</b>
41-24-13	Aeration Devices
41-24-16	Bin Vibrators
41-24-19	Dehydrators
41-24-23	Hydrators
41-24-26	Hydraulic Power Systems
41-24-29	Lubrication Systems
41-24-33	Magnetic Separators
41-24-36	Metal Detectors
41-24-39	Railcar Movers
41-24-43	Turnheads/Distributors
41-24-46	Sorting Machines
<b>41-30-00</b>	<b>Manufacturing Equipment</b>
<b>41-31-00</b>	<b>Manufacturing Lines And Equipment</b>
41-31-13	Manufacturing Lines
41-31-16	Pick And Place Systems
41-31-19	Manufacturing -Line Robots
41-31-23	Specialty Assembly Machines
<b>41-32-00</b>	<b>Forming Equipment</b>
41-32-13	Bending Equipment
41-32-16	Blow-Molding Equipment
41-32-19	Brake-Forming Equipment
41-32-23	Cold-Forming Equipment
41-32-26	Die-Casting Equipment



41-32-29	Drawing Equipment
41-32-33	Electroforming Equipment
41-32-36	Forging Equipment
41-32-39	Extruding Equipment
41-32-43	Metal -Spinning Equipment
41-32-46	Piercing Equipment
41-32-49	Powder Metal-Forming Equipment
41-32-53	Pressing Equipm Ent
41-32-56	Roll-Forming Equipment
41-32-59	Shearing Equipment
41-32-63	Spinning Equipment
41-32-66	Stretching/Leveling Equipment
41-32-69	Swaging Equipment
<b>41-33-00</b>	<b>Machining Equipment</b>
41-33-13	Automatic Screw Machining Equipment
41-33-16	Boring Equipment
41-33-19	Broaching Equipment
41-33-23	Drilling Equipment
41-33-26	Electro-Discharge Machining Equipment
41-33-29	Grinding Equipment
41-33-33	Hobbing Equipment
41-33-36	Lapping Equipment
41-33-39	Lathe Equipment
41-33-43	Leveling Equipment
41-33-46	Machining Center Equipment
41-33-53	Milling Equipment
41-33-60	Multi -Axis Machine Equipment
41-33-63	Planing Equipment
41-33-66	Reaming Equipment
41-33-69	Routing Equipment
41-33-73	Sawing Equipment
41-33-76	Shaping Equipment
41-33-79	Threading Equipment
<b>41-34-00</b>	<b>Finishing Equipment</b>
41-34-13	Anodizing Equipment
41-34-16	Barrel Tumbling Equipment
41-34-23	Coating Equipment
41-34-26	Deburring Equipment
41-34-36	Electroplating Equipment

41-34-46	Grinding Equipment
41-34-49	Honing Equipment
41-34-53	Lapping Equipment
41-34-56	Shot Peening Equipment
41-34-59	Superfinishing /Polishing Equipment
<b>41-35-00</b>	<b>Dies And Molds</b>
41-35-13	Dies
41-35-33	Molds
<b>41-36-00</b>	<b>Assembly And Testing Equipment</b>
41-36-13	Applicators
41-36-16	Fixtures And Jigs
41-36-19	Joining Equipment
41-36-23	Cutting Equipment
41-36-26	Process Tools
41-36-29	Manufacturing Measurement And Testing Equipment
<b>41-40-00</b>	<b>Container Processing And Packaging</b>
<b>41-41-00</b>	<b>Container Filling And Sealing</b>
41-41-13	Bulk Container Fillers/Packers
41-41-16	Container Cappers
41-41-19	Container Fillers
41-41-23	Container Sealers
<b>41-42-00</b>	<b>Container Packing Equipment</b>
41-42-13	Box Packing Equipment
41-42-16	Bulk Material Loaders
41-42-19	Carton Packers
41-42-23	Carton Sealers
41-42-26	Carton Shrink Wrappers
41-42-29	Carton Stackers
<b>41-43-00</b>	<b>Shipping Packaging</b>
41-43-13	Banding/Strapping Equipment
41-43-16	Barcode Equipment
41-43-19	Labeling Equipment
41-43-23	Pallet Stacking/Wrapping Equipment
<b>41-50-00</b>	<b>Material Storage</b>
<b>41-51-00</b>	<b>Automatic Material Storage</b>
41-51-13	Automatic Storage/Automatic Retrieval Systems
<b>41-52-00</b>	<b>Bulk Material Storage</b>
41-52-13	Bins And Hoppers
41-52-16	Silos

41-52-19	Material Storage Tanks
<b>41-53-00</b>	<b>Storage Equipment And Systems</b>
41-53-13	Storage Cabinets
41-53-16	Container Storage Systems
41-53-19	Flat Files
41-53-23	Storage Racks
41-53-26	Mezzanine Storage Systems
<b>41-60-00</b>	<b>Mobile Plant Equipment</b>
<b>41-61-00</b>	<b>Mobile Earth Moving Equipment</b>
41-61-13	Backhoes
41-61-16	Bulldozers
41-61-19	Compactors
41-61-23	Excavators
41-61-26	Graders
41-61-29	Payloaders
41-61-33	Trenchers
<b>41-62-00</b>	<b>Trucks</b>
41-62-13	Cement Mixer Trucks
41-62-16	Dump Trucks
41-62-19	Flatbed Trucks
41-62-23	Forklift Trucks
41-62-26	Pickup Trucks
41-62-29	Tank Trucks
<b>41-63-00</b>	<b>General Vehicles</b>
41-63-13	Bicycles
41-63-16	Carts
41-63-19	Maintenance Vehicles
41-63-23	Utility Vehicles
41-63-26	Vans
41-63-29	Wagons
<b>41-64-00</b>	<b>Rail Vehicles</b>
41-64-13	Locomotives
41-64-16	Mobile Railcar Movers
<b>41-65-00</b>	<b>Mobile Support Equipment</b>
41-65-13	Mobile Air Compressors
41-65-16	Mobile Generators
41-65-19	Mobile Welders
<b>41-66-00</b>	<b>Miscellaneous Mobile Equipment</b>
41-66-13	Mobile Boring And Drilling Rigs

41-66-16	Mobile Lifts And Cherrypickers
41-66-19	Mobile Paving Equipment
41-66-23	Mobile Sweepers/Vacuums
<b>41-67-00</b>	<b>Plant Maintenance Equipment</b>
41-67-13	Plant Lube Oil System
41-67-16	Plant Fall Protection Equipment
41-67-19	Plant Safety Equipment
41-67-23	Plant Maintenance Tools
41-67-26	Plant Maintenance Washing Equipment
<b>41-70-00</b>	<b>Unassigned</b>
<b>41-80-00</b>	<b>Unassigned</b>
<b>41-90-00</b>	<b>Unassigned</b>

## **42-00-00      PROCESS HEATING, COOLING & DRYING EQUIPMENT**

42-00-10	Process Heating, Cooling, and Drying Equipment -- Subcontractors
<b>42-01-00</b>	<b>Operation And Maintenance Of Process Heating, Cooling, And Drying Equipment</b>
42-01-10	Operation And Maintenance Of Process Heating Equipment
42-01-20	Operation And Maintenance Of Process Cooling Equipment
42-01-30	Operation And Maintenance Of Process Drying Equipment
<b>42-06-00</b>	<b>Schedules For Process Heating, Cooling, And Drying Equipment</b>
42-06-10	Schedules For Process Heating Equipment
42-06-20	Schedules For Process Cooling Equipment
42-06-30	Schedules For Process Drying Equipment
<b>42-08-00</b>	<b>Commissioning Of Process Heating, Cooling, And Drying Equipment</b>
42-08-10	Commissioning Of Heating Equipment
42-08-20	Commissioning Of Cooling Equipment
42-08-30	Commissioning Of Drying Equipment
<b>42-10-00</b>	<b>Process Heating Equipment</b>
<b>42-11-00</b>	<b>Process Boilers</b>
42-11-13	Low-Pressure Process Boilers
42-11-16	Intermediate -Pressure Process Boilers
42-11-19	High-Pressure Process Boilers
42-11-23	Specialty Process Boilers
<b>42-12-00</b>	<b>Process Heaters</b>
42-12-13	Electric Process Heaters
42-12-16	Fuel -Fired Process Heaters
42-12-19	Thermoelectric Process Heaters
42-12-23	Solar Process Heaters
42-12-26	Specialty Process Heaters

<b>42-13-00</b>	<b>Industrial Heat Exchangers And Recuperators</b>
42-13-13	Industrial Gas-To-Gas Heat Exchangers
42-13-16	Industrial Liquid -To-Gas/Gas-To-Liquid Heat Exchangers
42-13-19	Industrial Liquid -To-Liquid Heat Exchangers
42-13-23	Industrial Gas Radiation Heat Exchangers
42-13-26	Industrial Solar Radiation Heat Exchangers
<b>42-14-00</b>	<b>Industrial Furnaces</b>
42-14-13	Annealing Furnaces
42-14-16	Atmosphere Generators
42-14-19	Industrial Baking Furnaces
42-14-23	Industrial Brazing Furnaces
42-14-26	Industrial Calcining Furnaces
42-14-29	Industrial Heat-Treating Furnaces
42-14-33	Industrial Melting Furnaces
42-14-36	Primary Refining Furnaces
42-14-43	Reactor Furnaces
42-14-46	Industrial Reheat Furnaces
42-14-53	Industrial Sintering Furnaces
42-14-56	Industrial Vacuum Furnaces
<b>42-15-00</b>	<b>Industrial Ovens</b>
42-15-13	Industrial Drying Ovens
42-15-16	Industrial Curing Ovens
42-15-19	Industrial Specialty Ovens
<b>42-20-00</b>	<b>Process Cooling Equipment</b>
<b>42-21-00</b>	<b>Process Cooling Towers</b>
42-21-13	Open-Circuit Process Cooling Towers
42-21-16	Closed -Circuit Process Cooling Towers
<b>42-22-00</b>	<b>Process Chillers And Coolers</b>
42-22-13	Centrifugal Process Chillers And Coolers
42-22-16	Reciprocating Process Chillers And Coolers
42-22-19	Refrigerant Process Chillers And Coolers
42-22-23	Rotary Process Chillers And Coolers
42-22-26	Thermoelectric Process Chillers And Coolers
<b>42-23-00</b>	<b>Process Condensers And Evaporators</b>
42-23-13	Process Condensers
42-23-16	Process Cooling Evaporators
42-23-19	Process Humidifiers
<b>42-30-00</b>	<b>Process Drying Equipment</b>
<b>42-31-00</b>	<b>Gas Dryers And Dehumidifiers</b>

42-31-13	Drying Evaporators
42-31-16	Desiccant Equipment
42-31-19	Regenerative Dryers
42-31-23	Refrigerant Dryers
<b>42-32-00</b>	<b>Material Dryers</b>
42-32-13	Centrifugal Material Dryers
42-32-16	Conveyor Material Dryers
42-32-19	Flash Material Dryers
42-32-23	Fluid-Bed Material Dryers
42-32-26	Material Roasters
42-32-29	Rotary-Kiln Material Dryers
42-32-33	Spray Material Dryers
42-32-36	Tower Material Dryers
42-32-39	Vacuum Material Dryers
42-32-43	Specialty Material Dryers
<b>42-40-00</b>	<b>Unassigned</b>
<b>42-50-00</b>	<b>Unassigned</b>
<b>42-60-00</b>	<b>Unassigned</b>
<b>42-70-00</b>	<b>Unassigned</b>
<b>42-80-00</b>	<b>Unassigned</b>
<b>42-90-00</b>	<b>Unassigned</b>

## **43-00-00 PROCESS GAS & LIQUID HANDLING, PURIFICATION, & STORAGE EQUIPMENT**

43-00-10	Process Gas and Liquid Handling, Purification, and Storage -- Subcontractors
<b>43-01-00</b>	<b>Operation And Maintenance Of Process Gas And Liquid Handling, Purification</b>
43-01-10	Operation And Maintenance Of Gas Handling Equipment
43-01-20	Operation And Maintenance Of Liquid Handling Equipment
43-01-30	Operation And Maintenance Of Gas And Liquid Hi-Purification Equipment
43-01-40	Operation And Maintenance Of Gas And Liquid Storage
<b>43-06-00</b>	<b>Schedules For Process Gas And Liquid Handling, Purification, And Stora</b>
43-06-10	Schedules For Gas Handling Equipment
43-06-20	Schedules For Liquid Handling Equipment
43-06-30	Schedules For Gas And Liquid Hi-Purification Equipment
43-06-40	Schedules For Gas And Liquid Storage
<b>43-08-00</b>	<b>Commissioning Of Process Gas And Liquid Handling, Purification, And St</b>
43-08-10	Commissioning Of Gas Handling Equipment
43-08-20	Commissioning Of Liquid Handling Equipment

43-08-30 Commissioning Of Gas And Liquid Purification Equipment

43-08-40 Commissioning Of Gas And Liquid Storage

## **43-10-00 Gas Handling Equipment**

### **43-11-00 Gas Fans, Blowers And Pumps**

43-11-13 Gas Handling Fans

43-11-23 Gas Handling Blowers

43-11-26 Gas Handling Jet Pumps

43-11-29 Gas Handling Vacuum Pumps

### **43-12-00 Gas Compressors**

43-12-13 Centrifugal Gas Compressors

43-12-16 Piston Gas Compressors

43-12-19 Positive Displacement Gas Compressors

43-12-23 Rotary-Screw Gas Compressors

43-12-26 Vane Gas Compressors

### **43-13-00 Gas Process Equipment**

43-13-13 Process Gas Blenders

43-13-16 Process Gas Meters

43-13-19 Process Gas Mixers

43-13-23 Process Gas Pressure Regulators

## **43-20-00 Liquid Handling Equipment**

### **43-21-00 Liquid Pumps**

43-21-13 Centrifugal Liquid Pumps

43-21-16 Diaphragm Liquid Pumps

43-21-19 Dispensing Liquid Pumps

43-21-23 Drum Liquid Pumps

43-21-26 Gear Liquid Pumps

43-21-29 Metering Liquid Pumps

43-21-33 Piston/Plunger Liquid Pumps

43-21-36 Positive Displacement Liquid Pumps

43-21-39 Submersible Liquid Pumps

43-21-43 Sump Liquid Pumps

43-21-46 Vane Liquid Pumps

### **43-22-00 Liquid Process Equipment**

43-22-13 Liquid Aeration Devices

43-22-16 Liquid Agitators

43-22-19 Liquid Blenders

43-22-23 Liquid Centrifuges

43-22-26 Liquid Deaerators

43-22-29 Drum Handling Liquid Process Equipment

43-22-33	Liquid Emulsifiers
43-22-36	Liquid Evaporators
43-22-39	Liquid Feeders
43-22-43	Liquid Filters
43-22-53	Liquid Process Meters
43-22-56	Liquid Process Mixers
43-22-59	Liquid Process Pressure Regulators
43-22-63	Liquid Separation Towers
43-22-66	Liquid Weigh Systems
<b>43-30-00</b>	<b>Gas And Liquid Purification Equipment</b>
<b>43-31-00</b>	<b>Gas And Liquid Purification Filtration Equipment</b>
43-31-13	Gas And Liquid Purification Filters
<b>43-32-00</b>	<b>Gas And Liquid Purification Process Equipment</b>
43-32-13	Gas And Liquid Purification Process Beds
43-32-23	Gas And Liquid Purification Process Clarifier Systems
43-32-26	Gas And Liquid Purification Decarbonators
43-32-29	Electronic De-Ionization Purification Units
43-32-33	External Regeneration Systems
43-32-36	Mixed-Bed Ion-Exchange Vessels
43-32-39	Gas And Liquid Purification Mixed Beds
43-32-53	Packed-Bed Ion-Exchange Vessels
43-32-56	Reverse-Osmosis Purification Units
43-32-59	Gas And Liquid Purification Scrubbers
43-32-63	Ultraviolet Sterilizers
43-32-66	Vacuum Degasifiers
43-32-69	Chemical Feed Systems
43-32-73	Ozonation Equipment
43-32-76	Chlorination Equipment
<b>43-40-00</b>	<b>Gas And Liquid Storage</b>
<b>43-41-00</b>	<b>Gas And Liquid Storage Equipment</b>
43-41-13	Gas And Liquid Pressure Vessels
43-41-16	Atmospheric Tanks And Vessels
<b>43-50-00</b>	<b>Unassigned</b>
<b>43-60-00</b>	<b>Unassigned</b>
<b>43-70-00</b>	<b>Unassigned</b>
<b>43-80-00</b>	<b>Unassigned</b>
<b>43-90-00</b>	<b>Unassigned</b>

## **44-00-00 POLLUTION CONTROL EQUIPMENT**



44-00-10	Pollution Control Equipment -- Subcontractors
<b>44-01-00</b>	<b>Operation And Maintenance Of Pollution Control Equipment</b>
44-01-10	Operation And Maintenance Of Air Pollution Control
44-01-20	Operation And Maintenance Of Noise Pollution Control
44-01-40	Operation And Maintenance Of Water Treatment Equipment
44-01-50	Operation And Maintenance Of Solid Waste Control
<b>44-06-00</b>	<b>Schedules For Pollution Control Equipment</b>
44-06-10	Schedules For Air Pollution Control
44-06-20	Schedules For Noise Pollution Control
44-06-40	Schedules For Water Treatment Equipment
44-06-50	Schedules For Solid Waste Control
<b>44-08-00</b>	<b>Commissioning Of Pollution Control Equipment</b>
44-08-10	Commissioning Of Air Pollution Control
44-08-20	Commissioning Of Noise Pollution Control
44-08-40	Commissioning Water Treatment Equipment
44-08-50	Commissioning Solid Waste Control
<b>44-10-00</b>	<b>Air Pollution Control</b>
<b>44-11-00</b>	<b>Air Pollution Control Equipment</b>
44-11-13	Cyclonic Separators
44-11-16	Industrial Dust Collectors
44-11-19	Air Pollution Filters
44-11-23	Fugitive Dust Control
44-11-26	Air Pollution Control Precipitators
44-11-29	Air Pollution Scrubbers
44-11-33	Thermal Oxidizers
44-11-36	Vacuum Extraction Systems
<b>44-20-00</b>	<b>Noise Pollution Control</b>
<b>44-21-00</b>	<b>Noise Pollution Control Equipment</b>
44-21-13	Noise Abatement Barriers
44-21-23	Noise Pollution Silencers
44-21-26	Frequency Cancellers
<b>44-40-00</b>	<b>Water Treatment Equipment</b>
<b>44-41-00</b>	<b>Packaged Water Treatment</b>
44-41-13	Packaged Water Treatment Plants
<b>44-42-00</b>	<b>General Water Treatment Equipment</b>
44-42-13	Aeration Water Treatment Equipment
44-42-16	American Petroleum Institute Separators
44-42-19	Water Treatment Blowers
44-42-23	Water Treatment Clarifiers

44-42-26	Water Treatment Comminutors
44-42-29	Water Treatment Compressors
44-42-33	Water Treatment Digesters
44-42-36	Water Treatment Dissolved Air Flotation Equipment
44-42-39	Water Treatment Grit Collectors
44-42-43	Water Treatment Induced Air Flotation Equipment
44-42-46	Water Treatment Mixers
44-42-49	Water Treatment Oil/Grease Interceptors
44-42-53	Water Treatment Oil/Water Separators
44-42-56	Water Treatment Pumps
44-42-59	Water Treatment Reactors
44-42-63	Water Treatment Sediment Removal Equipment
44-42-66	Water Treatment Skimmers
44-42-69	Water Treatment Spray Equipment
44-42-73	Water Treatment Tanks/Tank Liners
<b>44-43-00</b>	<b>Water Filtration Equipment</b>
44-43-13	Water Filters
44-43-23	Water Filter Presses
44-43-26	Rotary-Drum Water Filtration Equipment
44-43-29	Water Filtration Sand
44-43-33	Water Filtration Screens
44-43-36	Vacuum Water Filtration Equipment
<b>44-44-00</b>	<b>Water Treatment Chemical Systems Equipment</b>
44-44-13	Water Treatment Chemical Feed Equipment
44-44-16	Water Chlorinators
44-44-19	Water Coagulators
44-44-23	Water Dechlorinators
44-44-26	Dissolved-Solids Water Treatment Equipment
44-44-29	Water Emulsifiers
44-44-33	Water Emulsion Crackers
44-44-36	Water Flocculators
44-44-39	Water Flouridation Equipment
44-44-43	Water Heavy Metals Treatment Equipment
44-44-46	Water Hydrothermal Equipment
44-44-49	Water Oils Treatment Equipment
44-44-53	Water Oxidation /Reduction Equipment
44-44-56	Water Ozone Equipment
44-44-59	Water Ph Adjustment Equipment
44-44-63	Water Polymers Equipment

44-44-66	Water Precipitators
44-44-69	Water Pretreatment Equipment
44-44-73	Water Ultraviolet Radiation Equipment
<b>44-45-00</b>	<b>Water Treatment Biological Systems Equipment</b>
44-45-13	Water Biofilters
44-45-16	Water Bubble M Embrane Diffusers
<b>44-46-00</b>	<b>Sludge Treatment And Handling Equipment For Water Treatment Systems</b>
44-46-13	Sludge Conveyors
44-46-16	Sludge Dewatering Equipment
44-46-19	Sludge Digesters
44-46-23	Sludge Incinerators
44-46-26	Sludge Thickeners
<b>44-50-00</b>	<b>Solid Waste Control</b>
<b>44-51-00</b>	<b>Solid Waste Control Equipment</b>
44-51-13	Solid Waste Compactors
44-51-16	Solid Waste Baling Equipment
44-51-19	Solid Waste Fluffing Equipment
44-51-23	Solid Waste Liquid Extraction Equipment
44-51-26	Solid Waste Containers
44-51-29	Solid Waste Transfer Trailers
44-51-33	Solid Waste Transfer Stations
<b>44-60-00</b>	<b>Unassigned</b>
<b>44-70-00</b>	<b>Unassigned</b>
<b>44-80-00</b>	<b>Unassigned</b>
<b>44-90-00</b>	<b>Unassigned</b>

## **45-00-00 INDUSTRY-SPECIFIC MANUFACTURING EQUIPMENT**

45-00-10	Industry-Specific Manufacturing Equipment -- Subcontractors
<b>45-08-00</b>	<b>Commissioning Of Industry-Specific Manufacturing Equipment</b>
<b>45-11-00</b>	<b>Oil And Gas Extraction Equipment</b>
45-11-01	Operation And Maintenance Of Oil And Gas Extraction Equipment
45-11-06	Schedules For Oil And Gas Extraction Equipment
45-11-10	User Defined Oil And Gas Extraction Equipment
<b>45-13-00</b>	<b>Mining Machinery And Equipment</b>
45-13-01	Operation And Maintenance Of Mining Machinery And Equipment
45-13-06	Schedules For Mining Machinery And Equipment
45-13-10	User Defined Mining Machinery And Equipment
<b>45-15-00</b>	<b>Food Manufacturing Equipment</b>
45-15-01	Operation And Maintenance Of Food Manufacturing Equipment

45-15-06	Schedules For Food Manufacturing Equipment
45-15-10	User Defined Food Manufacturing Equipment
<b>45-17-00</b>	<b>Beverage And Tobacco Manufacturing Equipment</b>
45-17-01	Operation And Maintenance Of Beverage And Tobacco Manufacturing Equipm
45-17-06	Schedules For Beverage And Tobacco Manufacturing Equipment
45-17-10	User Defined Beverage And Tobacco Manufacturing Equipment
<b>45-19-00</b>	<b>Textiles And Apparel Manufacturing Equipment</b>
45-19-01	Operation And Maintenance Of Textiles And Apparel Manufacturing Equipm
45-19-06	Schedules For Textiles And Apparel Manufacturing Equipment
45-19-10	User Defined Textiles And Apparel Manufacturing Equipment
<b>45-21-00</b>	<b>Leather And Allied Product Manufacturing Equipment</b>
45-21-01	Operation And Maintenance Of Leather And Allied Product Manufacturing
45-21-06	Schedules For Leather And Allied Product Manufacturing Equipment
45-21-10	User Defined Leather And Allied Product Manufacturing Equipment
<b>45-23-00</b>	<b>Wood Product Manufacturing Equipment</b>
45-23-01	Operation And Maintenance Of Wood Product Manufacturing Equipment
45-23-06	Schedules For Wood Product Manufacturing Equipment
45-23-10	User Defined Wood Product Manufacturing Equipment
<b>45-25-00</b>	<b>Paper Manufacturing Equipment</b>
45-25-01	Operation And Maintenance Of Paper Manufacturing Equipment
45-25-06	Schedules For Paper Manufacturing Equipment
45-25-10	User Defined Paper Manufacturing Equipment
<b>45-27-00</b>	<b>Printing And Related Manufacturing Equipment</b>
45-27-01	Operation And Maintenance Of Printing And Related Manufacturing Equipm
45-27-06	Schedules For Printing And Related Manufacturing Equipment
45-27-10	User Defined Printing And Related Manufacturing Equipment
<b>45-29-00</b>	<b>Petroleum And Coal Products Manufacturing Equipment</b>
45-29-01	Operation And Maintenance Of Petroleum And Coal Products Manufacturing
45-29-06	Schedules For Petroleum And Coal Products Manufacturing Equipment
45-29-10	User Defined Petroleum And Coal Products Manufacturing Equipment
<b>45-31-00</b>	<b>Chemical Manufacturing Equipment</b>
45-31-01	Operation And Maintenance Of Chemical Manufac Turing Equipment
45-31-06	Schedules For Chemical Manufacturing Equipment
45-31-10	User Defined Chemical Manufacturing Equipment
<b>45-33-00</b>	<b>Plastics And Rubber Manufacturing Equipment</b>
45-33-01	Operation And Maintenance Of Plastics And Rubber Manufacturing Equipme
45-33-06	Schedules For Plastics And Rubber Manufacturing Equipment
45-33-10	User Defined Plastics And Rubber Manufacturing Equipment
<b>45-35-00</b>	<b>Nonmetallic Mineral Product Manufacturing Equipment</b>

45-35-01	Operation And Maintenance Of Nonmetallic Mineral Product Manufacturing
45-35-06	Schedules For Nonmetallic Mineral Product Manufacturing Equipment
45-35-10	User Defined Nonmetallic Mineral Product Manufacturing Equipment
<b>45-37-00</b>	<b>Primary Metal Manufacturing Equipment</b>
45-37-01	Operation And Maintenance Of Primary Metal Manufacturing Equipment
45-37-06	Schedules For Primary Metal Manufacturing Equipment
45-37-10	User Defined Primary Metal Manufacturing Equipment
<b>45-39-00</b>	<b>Fabricated Metal Product Manufacturing Equipment</b>
45-39-01	Operation And Maintenance Of Fabricated Metal Product Manufacturing Eq
45-39-06	Schedules For Fabricated Metal Product Manufacturing Equipment
45-39-10	User Defined Fabricated Metal Product Manufacturing Equipment
<b>45-41-00</b>	<b>Machinery Manufacturing Equipment</b>
45-41-01	Operation And Maintenance Of Machinery Manufacturing Equipment
45-41-06	Schedules For Machinery Manufacturing Equipment
45-41-10	User Defined Machinery Manufacturing Equipment
<b>45-43-00</b>	<b>Computer And Electronic Product Manufacturing Equipment</b>
45-43-01	Operation And Maintenance Of Computer And Electronic Product Manufactu
45-43-06	Schedules For Computer And Electronic Product Manufacturing Equipment
45-43-10	User Defined Computer And Electronic Product Manufacturing Equipment
<b>45-45-00</b>	<b>Electrical Equipment, Appliance, And Component Manufacturing Equipment</b>
45-45-01	Operation And Maintenance Of Electrical Equipment, Appliance, And Comp
45-45-06	Schedules For Electrical Equipment, Appliance, And Component Manufactu
45-45-10	User Defined Electrical Equipment, Appliance, And Component Manufactur
<b>45-47-00</b>	<b>Transportation Manufacturing Equipment</b>
45-47-01	Operation And Maintenance Of Transportation Manufacturing Equipment
45-47-06	Schedules For Transportation Manufacturing Equipment
45-47-10	User Defined Transportation Manufacturing Equipment
<b>45-49-00</b>	<b>Furniture And Related Product Manufacturing Equipment</b>
45-49-01	Operation And Maintenance Of Furniture And Related Product Manufacturi
45-49-06	Schedules For Furniture And Related Product Manufacturing Equipment
45-49-10	User Defined Furniture And Related Product Manufacturing Equipment
<b>45-51-00</b>	<b>Other Manufacturing Equipment</b>
45-51-01	Operation And Maintenance Of Other Manufacturing Equipment
45-51-06	Schedules For Other Manufacturing Equipment
45-51-10	User Defined Other Manufacturing Equipment
<b>45-60-00</b>	<b>Unassigned</b>
<b>45-70-00</b>	<b>Unassigned</b>
<b>45-80-00</b>	<b>Unassigned</b>
<b>45-90-00</b>	<b>Unassigned</b>

## **48-00-00 ELECTRICAL POWER GENERATION**

48-00-10	Electrical Power Generation -- Subcontractors
<b>48-01-00</b>	<b>Operation And Maintenance For Electrical Power Generation</b>
48-01-10	Operation And Maintenance Of Electrical Power Generation Equipment
48-01-70	Operation And Maintenance Of Electrical Power Generation Testing
<b>48-05-00</b>	<b>Common Work Results For Electrical Power Generation</b>
<b>48-06-00</b>	<b>Schedules For Electrical Power Generation</b>
48-06-10	Schedules For Electrical Power Generation Equipment
48-06-70	Schedules For Electrical Power Generation Testing
<b>48-08-00</b>	<b>Commissioning Of Electrical Power Generation</b>
<b>48-09-00</b>	<b>Instrumentation And Control For Electrical Power Generation</b>
<b>48-10-00</b>	<b>Electrical Power Generation Equipment</b>
<b>48-11-00</b>	<b>Fossil Fuel Plant Electrical Power Generation Equipment</b>
48-11-13	Fossil Fuel Electrical Power Plant Boilers
48-11-16	Fossil Fuel Electrical Power Plant Condensers
48-11-19	Fossil Fuel Electrical Power Plant Steam Turbines
48-11-23	Fossil Fuel Electrical Power Plant Gas Turbines
48-11-26	Fossil Fuel Electrical Power Plant Generators
<b>48-12-00</b>	<b>Nuclear Fuel Plant Electrical Power Generation Equipment</b>
48-12-13	Nuclear Fuel Reactors
48-12-23	Nuclear Fuel Electrical Power Plant Steam Generators
48-12-26	Nuclear Fuel Electrical Power Plant Condensers
48-12-29	Nuclear Fuel Electrical Power Plant Turbines
48-12-33	Nuclear Fuel Electrical Power Generators
<b>48-13-00</b>	<b>Hydroelectric Plant Electrical Power Generation Equipment</b>
48-13-13	Hydroelectric Power Plant Water Turbines
48-13-16	Hydroelectric Power Plant Electrical Power Generators
<b>48-14-00</b>	<b>Solar Energy Electrical Power Generation Equipment</b>
48-14-13	Solar Energy Collectors
<b>48-15-00</b>	<b>Wind Energy Electrical Power Generation Equipment</b>
48-15-13	Windmills
48-15-16	Wind Energy Electrical Power Generators
<b>48-16-00</b>	<b>Geothermal Energy Electrical Power Generation Equipment</b>
48-16-13	Geothermal Energy Heat Pumps
48-16-16	Geothermal Energy Condensers
48-16-19	Geothermal Energy Steam Turbines
48-16-23	Geothermal Energy Electrical Power Generators
<b>48-17-00</b>	<b>Electrochemical Energy Electrical Power Generation Equipment</b>

48-17-13	Electrical Power Generation Batteries
<b>48-18-00</b>	<b>Fuel Cell Electrical Power Generation Equipment</b>
48-18-13	Electrical Power Generation Fuel Cells
48-18-16	Hydrogen Control Equipment
<b>48-19-00</b>	<b>Electrical Power Control Equipment</b>
48-19-13	Electrical Power Generation Battery Charging Equipment
48-19-16	Electrical Power Generation Inverters
48-19-19	Electrical Power Generation Solar Tracking Equipment
48-19-23	Electrical Power Generation Transformers
48-19-26	Electrical Power Generation Voltage Regulators
<b>48-20-00</b>	<b>Unassigned</b>
<b>48-30-00</b>	<b>Unassigned</b>
<b>48-40-00</b>	<b>Unassigned</b>
<b>48-50-00</b>	<b>Unassigned</b>
<b>48-60-00</b>	<b>Unassigned</b>
<b>48-70-00</b>	<b>Electrical Power Generation Testing</b>
<b>48-71-00</b>	<b>Electrical Power Generation Test Equipment</b>
48-71-13	Electrical Power Generation Corona Test Equipment
48-71-16	Electrical Power Generation Current Test Equipment
48-71-19	Electrical Power Generation Power Test Equipment
48-71-23	Electrical Power Generation Resistance Test Equipment
48-71-26	Electrical Power Generation Voltage Test Equipment
<b>48-80-00</b>	<b>Unassigned</b>
<b>48-90-00</b>	<b>Unassigned</b>